

## UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS ☒ FILE ☒ WATER SANDS LOCATION INSPECTED SUB. REPORT/abd.

Cor. drilling Status, expired 10-1-93

DATE FILED **5-8-92**

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. **UTU-68625** INDIAN

DRILLING APPROVED: **5-15-92**

SPUDDED IN: **7-20-92**

COMPLETED: **9-11-92 POW** PUT TO PRODUCING: **9-11-92**

INITIAL PRODUCTION: **210 BOPD, 4 BWPD**

GRAVITY A.P.I.

GOR:

PRODUCING ZONES: **4870-4900 (GRRV)**

TOTAL DEPTH: **10626'**

WELL ELEVATION: **4146' GR**

DATE ABANDONED:

FIELD: **UNDESIGNATED**

UNIT:

COUNTY: **UINTAH**

WELL NO. **FEDERAL #1-26B** API NO. **43-047-32248**

LOCATION **880' FNL** FT. FROM (N) (S) LINE. **712' FEL** FT. FROM (E) (W) LINE. **NE NE** 1/4 - 1/4 SEC. **26**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				<b>9S</b>	<b>19E</b>	<b>26</b>	<b>PG &amp; E RESOURCES CO.</b>

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
	Dakota	Park City	McCracken
BASAL LS	5004'	Burro Canyon	Rico (Goodridge)
		Cedar Mountain	Supai
		Buckhorn	Wolfcamp
		JURASSIC	CARBON I FEROUS
Wasatch	5208'	Morrison	Pennsylvanian
Stone Cabin	Top	Salt Wash	Oquirrh
Colton		San Rafael Gr.	Weber
Flagstaff		Summerville	Morgan
North Horn		Bluff Sandstone	Hermosa
Almy		Curtis	
Paleocene		Entrada	Pardox
Current Creek		Moab Tongue	Ismay
North Horn		Carmel	Desert Creek
CRETACEOUS		Glen Canyon Gr.	Akah
Montana		Navajo	Barker Creek
Mesaverde		Kayenta	
Price River		Wingate	Cane Creek
Blackhawk		TRIASSIC	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.	UTU-68625
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	N/A
7. UNIT AGREEMENT NAME	N/A
8. FARM OR LEASE NAME	Federal
9. WELL NO.	#1-26B
10. FIELD AND POOL, OR WILDCAT	Indefinite 000 Riverbend/Wasatch
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	Sec. 26, T9S - R19E
12. COUNTY OR PARISH	Utah
13. STATE	Utah

1a. TYPE OF WORK	DRILL <input checked="" type="checkbox"/>	DEEPEN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>
b. TYPE OF WELL	OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>
2. NAME OF OPERATOR	214/750-3800 PG & E Resources Company	5950 Berkshire Lane, Suite 600 Dallas, TX 75225	
3. ADDRESS OF OPERATOR	303/452-8888 Permitco Inc. - Agent	13585 Jackson Drive Denver, CO 80241	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*	At surface 880' FNL and 712' FEL		
	At proposed prod. zone NE NE Sec. 26		

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	712'	16. NO. OF ACRES IN LEASE	1667.76	17. NO. OF ACRES ASSIGNED TO THIS WELL	40	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	approx. 3800'	19. PROPOSED DEPTH	8200' WJTC	20. ROTARY OR CABLE TOOLS	Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.)	4666' GR				22. APPROX. DATE WORK WILL START*	Immediately upon approval of this application.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	400'	170 sx or suffic to circ to surf.
7-7/8"	5-1/2"	17#	8200'	600 sx or suffic to cover zones of interest.

PG & E Resources Company proposes to drill a well to 8200' to test the Wasatch formation. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

See Onshore Order No. 1 attached.

Please be advised that PG & E Resources Company is considered to be the Operator of the above mentioned well. PG & E Resources Company agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the leased lands.

Bond coverage for this well is provided by Bond No. U-187011. The principal is PG & E Resources Company via surety consent as provided for in 43 CFR 3104.2.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED <u>Don G. Smith</u>	TITLE <u>Consultant for PG &amp; E Resources Company</u>	DATE <u>MAY 6, 1992</u>
(This space for Federal or State office use)		
PERMIT NO. <u>43-047-302048</u>	APPROVAL DATE <u>5-15-92</u>	BY <u>[Signature]</u>
APPROVED BY _____	TITLE _____	WELL SPACING: <u>649-3-2</u>
CONDITIONS OF APPROVAL, IF ANY:		

\*See Instructions On Reverse Side

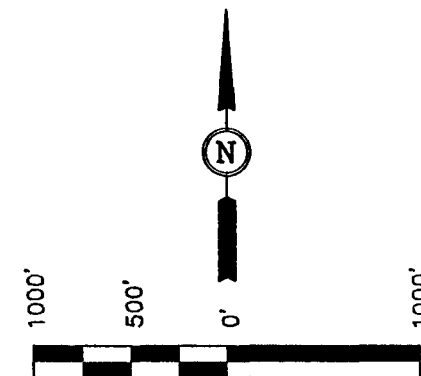
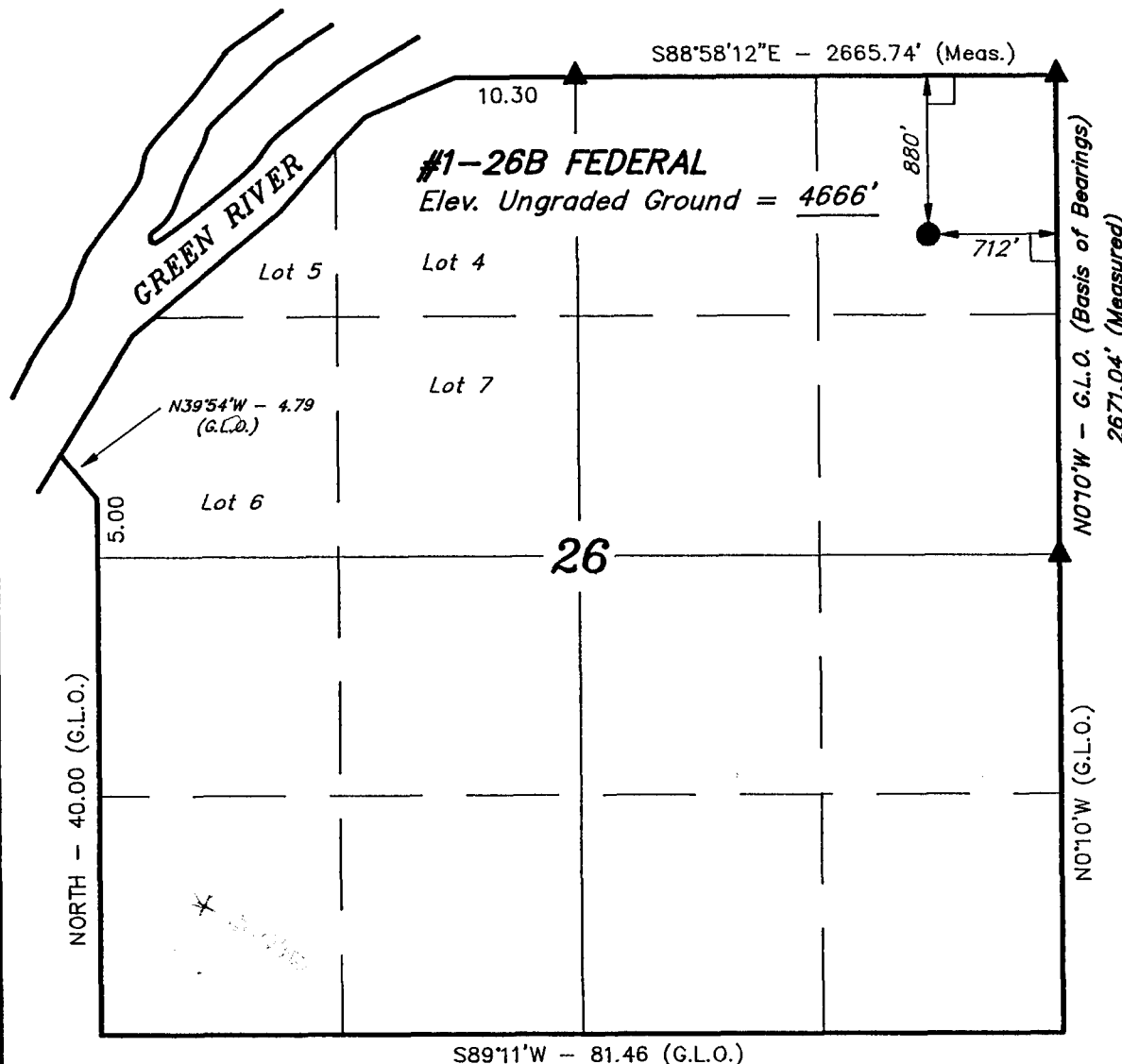
**T9S, R19E, S.L.B.&M.**

**PG&E RESOURCES COMPANY**

Well location, #1-26B FEDERAL, located as shown in the NE 1/4 NE 1/4 of Section 26, T9S, R19E, S.L.B.&M. Uintah County, Utah.

**BASIS OF ELEVATION**

BENCH MARK LOCATED IN THE SE 1/4 OF SECTION 13, T9S, R19E, S.L.B.&M. TAKEN FROM THE OURAY QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4658 FEET.



SCALE

**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 5709  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**

**85 SOUTH 200 EAST - VERNAL, UTAH 84078**

**(801) 789-1017**

**LEGEND:**

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED. (Brass Caps)

SCALE 1" = 1000'	DATE SURVEYED: 4-8-92	DATE DRAWN: 4-11-92
PARTY D.A. J.T.K. R.E.H.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE PG&E RESOURCES	





May 6, 1992

Utah Division of Oil, Gas & Mining  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

Attn: Tammi Searing

Re: PG & E Resources Company  
#1-26B Federal  
NE NE Sec. 26, T9S - R19E  
Uintah County, Utah

Dear Tammi,

Enclosed please find three copies of the Application for Permit to Drill on the above mentioned location along with a copy of the Onshore Order No. 1 which was filed with the BLM in Vernal, Utah. Please note that a copy of the approved water permit is also attached.

Please contact me at your earliest convenience if you should require additional information.

Upon approval of the enclosed application, please forward the approved copies to Permitco Inc. - Agent for PG & E Resources Company at the address shown below. I will then forward copies to PG & E for their files. Your assistance in this matter would be greatly appreciated.

Sincerely,

PERMITCO INC.

Lisa L. Smith  
Consultant for:  
PG & E Resources Company

Enc.

cc: PG & E - Dallas, TX  
PG & E - Vernal, UT  
PIC Technologies - Denver, CO

RECEIVED

MAY 08 1992

**Permitco Incorporated**  
A Petroleum Permitting Company

DIVISION OF  
OIL GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

(Other instructions on  
reverse side)

5. Lease Designation and Serial No.

UTU-68625

6. If Indian, Allottee or Tribe Name

N/A

7. Unit Agreement Name

N/A

8. Farm or Lease Name

Federal

9. Well No.

#1-26B

10. Field and Pool, or Wildcat

Riverbend/Wasatch

11. Sec., T., R., M., or Blk.  
and Survey or Area

Sec. 26, T9S - R19E

12. County or Parrish 13. State

Uintah

Utah

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil  
Well ☐Gas  
Well ☒

Other

Single  
Zone ☒Multiple  
Zone ☐

2. Name of Operator

214/750-3800

5950 Berkshire Lane, Suite 600

PG &amp; E Resources Company

Dallas, TX 75225

3. Address of Operator

303/452-8888

13585 Jackson Drive

Permitco Inc. - Agent

Denver, CO 80241

4. Location of Well (Report location clearly and in accordance with any State requirements.\*)

At surface

880' FNL and 712' FEL

At proposed prod. zone

NE NE Sec. 26

14. Distance in miles and direction from nearest town or post office\*

Approx. 8 miles southwest of Ouray, Utah

15. Distance from proposed\*

location to nearest  
property or lease line, ft.  
(Also to nearest drlg. line, if any)

712'

16. No. of acres in lease

1667.76

17. No. of acres assigned  
to this well

40

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
or applied for, on this lease, ft.

approx. 3800'

19. Proposed depth

8200'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

4666' GR

22. Approx. date work will start\*

Immediately upon approval  
of this application.

23.

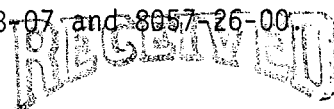
## PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12-1/4"	9-5/8"	36#	400'	170 sx or suffic to circ to surf
7-7/8"	5-1/2"	17#	8200'	600 sx or suffic to cover zones of interest.

PG & E Resources Company proposes to drill a well to 8200' to test the Wasatch formation. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

See Onshore Order No. 1 attached.

Bond coverage for this well is provided under Bond No. 8063-38-07 and 8057-26-00



MAY 08 1992

DIVISION OF  
OIL GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Consultant for

PG &amp; E Resources Company

Signed

Title

Date

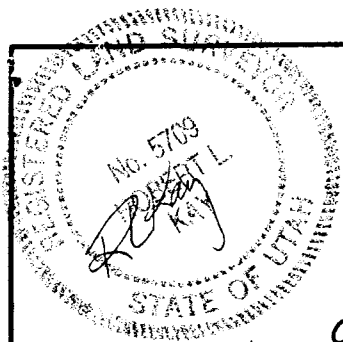
May 6, 1992

(This space for Federal or State office use)

Permit No. .... Approval Date .....

Approved by ..... Title ..... Date .....

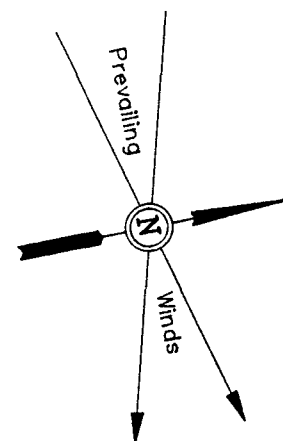
Conditions of approval, if any:



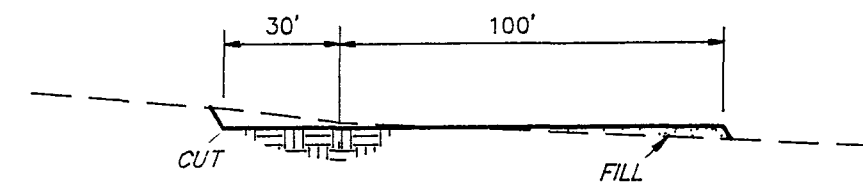
# PG&E RESOURCES COMPANY

## LOCATION LAYOUT FOR

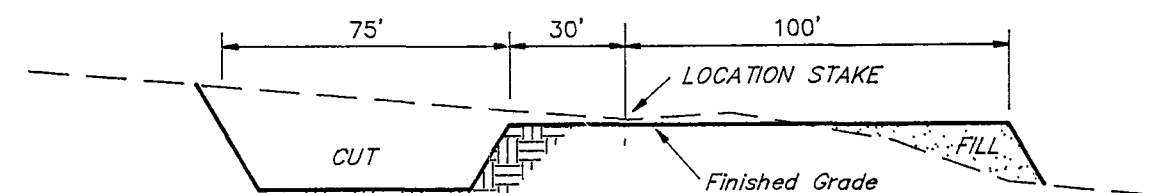
#1-26B FEDERAL  
SECTION 26, T9S, R19E, S.L.B.&M.  
712' FEL 880' FNL



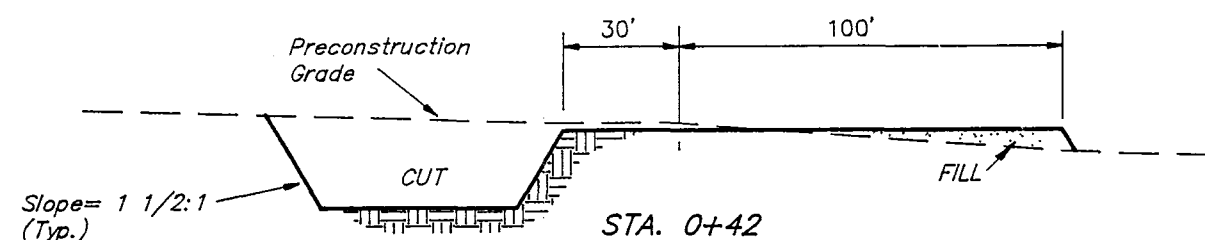
SCALE: 1" = 50'  
DATE: 4-11-92  
Drawn By: T.D.H.



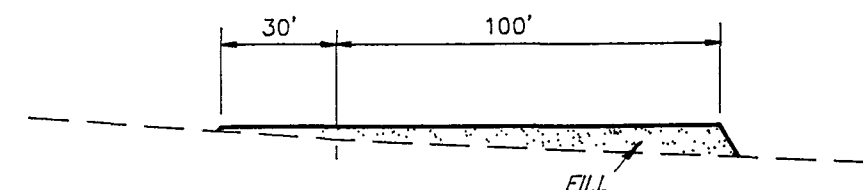
STA. 3+00



STA. 1+50



STA. 0+42



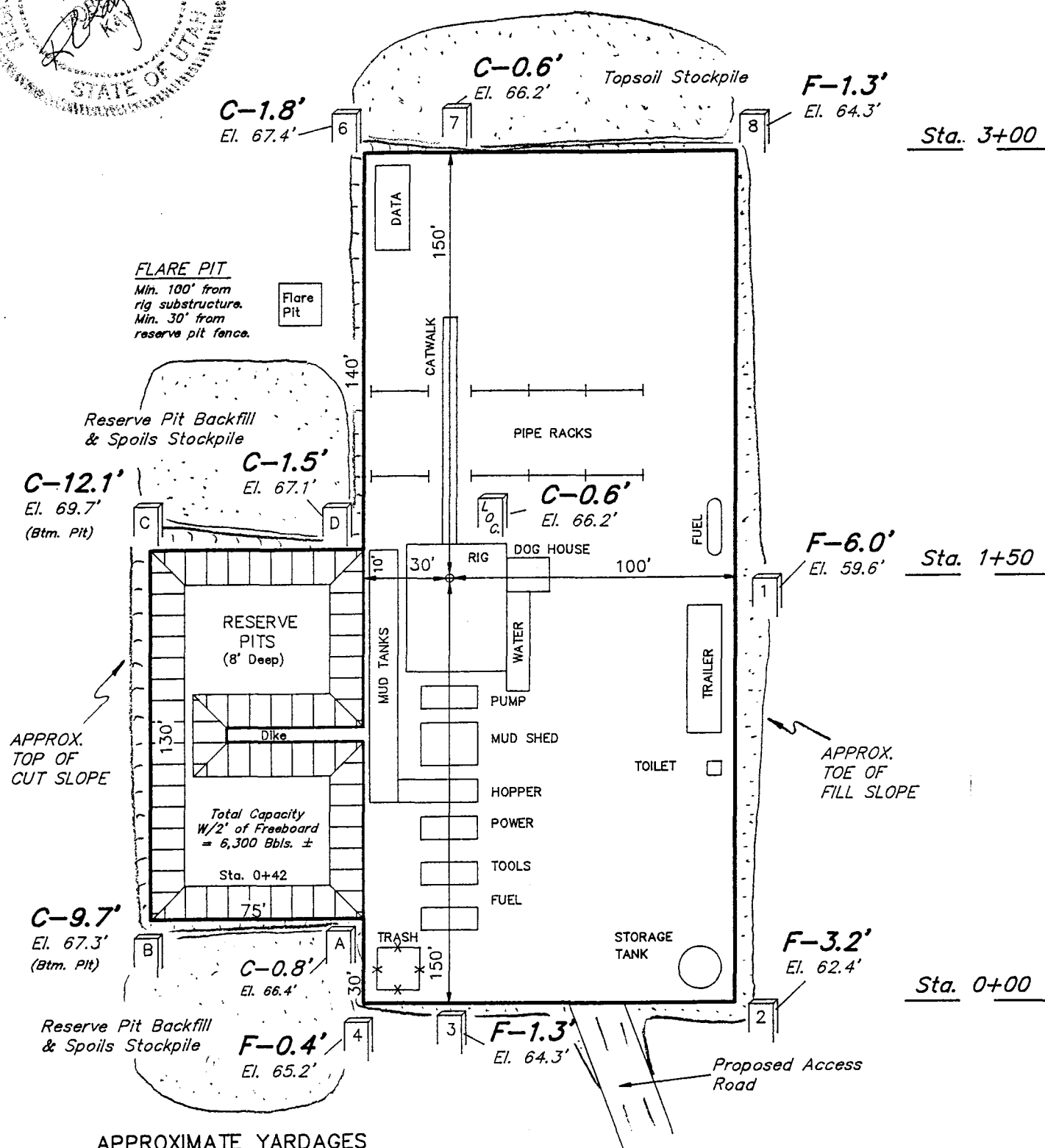
STA. 0+00

TYP. LOCATION LAYOUT  
TYP. CROSS SECTIONS

Elev. Ungraded Ground at Location Stake = 4666.2'

Elev. Graded Ground at Location Stake = 4665.6'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East Vernal, Utah



### APPROXIMATE YARDAGES

CUT  
(6") Topsoil Stripping = 900 Cu. Yds.

Remaining Location = 3,070 Cu. Yds.

TOTAL CUT = 3,970 CU.YDS.

FILL = 1,980 CU.YDS.

EXCESS MATERIAL AFTER  
5% COMPACTION = 1,890 Cu. Yds.

Topsoil & Pit Backfill  
(1/2 Pit Vol.) = 1,880 Cu. Yds.

EXCESS UNBALANCE  
(After Rehabilitation) = 10 Cu. Yds.

CONFIDENTIAL - TIGHT HOLE

ONSHORE OIL & GAS ORDER NO. 1

Approval of Operations on Onshore  
Federal and Indian Oil & Gas Leases

#1-26B  
880' FNL and 712' FEL  
NE NE Sec. 26, T9S - R19E  
Uintah County, Utah

Prepared For:

P G & E RESOURCES COMPANY

By:

PERMITCO INC.  
13585 Jackson Drive  
Denver, Colorado 80241  
303/452-8888

Copies Sent To:

- 3 - BLM - Vernal, Utah
- 1 - Utah Division of Oil, Gas & Mining - SLC, UT
- 3 - PG & E Resources - Dallas, TX
- 1 - PG & E Resources - Vernal, Utah
- 1 - PIC Technologies - Denver, CO



March 2, 1992



Bureau of Land Management

RE: 11-24B NESW Sec. 24-T9S-R19E  
1980' FSL & 1980' FWL

5-1D NESW Sec. 1-T10S-R18E  
1980' FNL & 660 FWL

7-31B SWNE Sec. 31-T9S-R19E  
1980' FNL & 1980' FEL

11-31C SWSE Sec 31-T9S-R20E  
1980' FSL & 1980' FWL

7-19B SWNW Sec. 19-T9S-R19E  
1980' FNL & 1980' FEL

7-30C SWNE Sec. 30-T9S-R20E  
1980' FNL & 1980' FEL'


Gentlemen:

This letter is to inform you that Permitco is authorized to act as Agent and to sign documents on behalf of PG&E Resources Company when necessary for filing county, state and federal permits including Onshore Order No. 1, Right-of-Way applications, etc., for the above mentioned wells.

It should be understood that Permitco is acting as Agent only in those matters stated above and is not responsible for drilling, completion, production or compliance with regulations.

PG&E Resources Company agrees to accept full responsibility for operations conducted in order to drill, complete and produce the above mentioned wells.

Yours very truly,

  
George Taylor  
Drilling Manager

GET/cs

## TABLE OF CONTENTS

DRILLING PROGRAM	<u>Page No.</u>
1. Formation Tops	1
2. Anticipated Depth of Oil, Gas & Water	1
3. Blow Out Preventor Requirements	2-3
4. Casing and Cement Program	4-6
5. Mud Program	7
6. Testing, Logging and Coring	7-8
7. Abnormal Pressures & H <sub>2</sub> S Gas	9
8. Other Information & Notification Requirements	9-11
 SURFACE USE PLAN	
1. Existing Roads	1
2. Access Roads to be Constructed or Reconstructed	1-3
3. Location of Wells Within 1-Mile	3
4. Proposed Production Facilities	4-5
5. Water Supply	5
6. Construction Materials	5-6
7. Waste Disposal	6
8. Ancillary Facilities	7
9. Wellsite Layout	7-8
10. Reclamation	8-9
11. Surface/Mineral Ownership	9
12. Other Information	9-11
13. Certification	11

ONSHORE ORDER NO. 1  
PG & E Resources Company  
#1-26B Federal  
880' FNL and 712' FEL  
NE NE Sec. 26, T9S - R19E  
Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

DRILLING PROGRAM  
Page 1

ONSHORE OIL & GAS ORDER NO. 1  
Approval of Operations on Onshore  
Federal and Indian Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. The estimated tops of important geologic markers are as follows:

<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Uinta	Surface	
Basal Limestone	5120'	- 425'
Wasatch	5258'	- 563'
Chapita Wells 1	5993'	-1298'
Chapita Wells 2	6152'	-1457'
Chapita Wells 3	6356'	-1661'
Chapita Wells 4	6679'	-1984'
Uteland Buttes	6975'	-2280'
T.D.	8200'	

2. The estimated depths at which the top and bottom of the anticipated water, oil, gas or other mineral bearing formations are expected to be encountered are as follows:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Oil	N/A	
Gas	Wasatch	5258'
Gas	Chapita Wells 2,3&4	6152-6974'
Water	N/A	
Other Mineral Zones	N/A	

All fresh water prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to Tim Ingwell of the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are



Permitco Incorporated  
A Petroleum Permitting Company

acceptable. If noticeable water flows are detected, samples will be submitted to the BLM along with any water analyses conducted.

3. PG & E's minimum specifications for pressure control equipment are as follows:

Ram Type: 10" Hydraulic double with annular, 3000 psi w.p.

Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50 percent of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed;
- b. whenever any seal subject to test pressure is broken
- c. following related repairs; and
- d. at 30-day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) the check valve shall be held open or the ball removed.

Annular preventers shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

A BOPE pit level drill shall be conducted weekly for each drilling crew.



ONSHORE ORDER NO. 1  
PG & E Resources Company  
#1-26B Federal  
880' FNL and 712' FEL  
NE NE Sec. 26, T9S - R19E  
Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

DRILLING PROGRAM  
Page 3

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Pressure tests shall apply to all related well control equipment.

All of the above described tests and/or drills shall be recorded in the drilling log. Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

Pressure tests shall apply to all related well control equipment.

BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure test, in order to have a BLM representative on location during pressure testing.

- a. The size and rating of the BOP stack is shown on the attached diagram. Although a rig has not been chosen to drill this well, most of the equipment for this depth of hole in the area use a 10", 3000 psi working pressure blowout preventor.
- b. A choke line and a kill line are to be properly installed. The kill line is not to be used as a fill-up line.
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

4. a. The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.
- b. The proposed casing and cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation which will contain the maximum pressure to which it will be exposed during normal drilling operations. Determination of casing setting depth shall be based on all relevant factors, including; presence/absence of hydrocarbons; fracture gradients; usable water zones; formation pressures; lost circulation zones; other minerals; or other unusual characteristics. All indications of usable water shall be reported.
- c. Casing design shall assume formation pressure gradients of 0.44 to 0.50 psi per foot for exploratory wells (lacking better data).
- d. Casing design shall assume fracture gradients from 0.70 to 1.00 psi per foot for exploratory wells (lacking better data)
- e. Casing collars shall have a minimum clearance of 0.422 inches of all sides in the hole/casing annulus, with recognition that variances can be granted for justified exceptions.
- f. All waiting on cement times shall be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.
- g. All casing except the conductor casing, shall be new or reconditioned and tested used casing that meets or exceeds API standards for new casing.
- h. The surface casing shall be cemented back to surface either during the primary cement job or by remedial cementing.
- i. All indications of usable water shall be reported to the authorized officer prior to running the next string of casing or before plugging orders are requested, whichever occurs first.

- j. Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.
- k. Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method, etc. shall be utilized to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry.
- l. All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or 1500 psi, whichever is greater, but not to exceed 70 percent of the minimum internal yield. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken.
- m. On all exploratory wells, and on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
- n. The proposed casing program will be as follows:

<u>Purpose</u>	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>	<u>New or Used</u>
Surface	0-400'	12-1/4"	9-5/8"	36#	K-55	ST&C	New
Produc.	0-8200'	7-7/8"	5-1/2"	17#	J-55	LT&C	New

- o. Casing design subject to revision based on geologic conditions encountered.
- p. The cement program will be as follows:

<u>Surface</u>	<u>Type and Amount</u>
0-400'	+ 170 sx Class "A" Cement or sufficient volume to circulate to surface.

ONSHORE ORDER NO. 1  
PG & E Resources Company  
#1-26B Federal  
880' FNL and 712' FEL  
NE NE Sec. 26, T9S - R19E  
Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

DRILLING PROGRAM

Page 6

Production

Type and Amount

Approx. 600 sx Class "H" with 8% salt, 15.6 ppg, 1.2 yield or sufficient to cover zones of interest (from approx. 4800' to T.D.

- q. As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 feet above the top of the Mahogany oil shale, identified at +/- 2110 feet. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.
- r. Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BIM representative on location while running all casing strings and cementing.
- s. After cementing but before commencing any test, the casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the driller's log.
- t. The following reports shall be filed with the District Manager within 30 days after the work is completed.
  - 1. Progress reports, Form 3160-5 (formerly 9-331) "Sundry Notices and Reports on Wells", must include complete information concerning:
    - a. Setting of each string of casing, showing the size, grade, weight of casing set, hole size, setting depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of cementing tools used, casing test method and results, and the date work was done. Show the spud date on the first reports submitted.
    - b. Temperature or bond logs must be submitted for each well where the casing cement was not circulated to the surface.



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ONSHORE ORDER NO. 1  
PG & E Resources Company  
#1-26B Federal  
880' FNL and 712' FEL  
NE NE Sec. 26, T9S - R19E  
Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

DRILLING PROGRAM  
Page 7

- u. Auxiliary equipment to be used is as follows:
1. Kelly cock
  2. No bit float is deemed necessary.
  3. A sub with a full opening valve.
5. a. The proposed circulating mediums to be employed in drilling are as follows:

<u>Interval</u>	<u>Mud Type</u>	<u>Mud Wt.</u>	<u>Visc.</u>	<u>F/L</u>	<u>PH</u>
0-8200'	Water/Gel-KHO	8.4-8.6	N/C	N/	N/C

There will be sufficient mud on location to control a blowout should one occur.

A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, static filtration loss, and Ph.

- b. Mud monitoring equipment to be used is as follows:
1. Periodic checks will be made each tour of the mud system. The mud level will be checked visually.
- c. Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing or completion operations.
6. The anticipated type and amount of testing, logging and coring are as follows:
- a. Drill stem tests will be run as warranted after log evaluation. One straddle test is possible in the Green River formation.

If DST's are run, the following requirements will be adhered to:

Initial opening of drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours

ONSHORE ORDER NO. 1  
PG & E Resources Company  
#1-26B Federal  
880' FNL and 712' FEL  
NE NE Sec. 26, T9S - R19E  
Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

DRILLING PROGRAM  
Page 8

is obtained from the authorized officer. However, DST's may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e. lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the authorized officer. Closed chamber DSTs may be accomplished day or night.

A DST that flows to the surface with evidence of hydrocarbons shall be either reversed out of the testing string under controlled surface conditions. This would involve provided some means for reverse circulation.

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

All engines within 100 feet of the wellbore that are required to "run" during the test shall have spark arresters or water cooled exhausts.

- b. The logging program will consist of a Dual Laterolog and an FDC-CNL-GR from T.D. to base of surface casing. A cement bond log (CBL) shall be utilized to determine the top of cement (TOC) and bond quality for the production casing.
- c. No cores are anticipated, however, sidewall cores will be run if warranted.
- d. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).
- e. The anticipated completion program is as follows:  
Perforate and casing water frac potential hydrocarbon bearing zones.

ONSHORE ORDER NO. 1  
PG & E Resources Company  
#1-26B Federal  
880' FNL and 712' FEL  
NE NE Sec. 26, T9S - R19E  
Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

DRILLING PROGRAM  
Page 9

7.
  - a. The expected bottom hole pressure is 3600 psi.
  - b. No hydrogen sulfide gas is anticipated.
8.
  - a. The Vernal District Office shall be notified, during regular work hours (7:45 a.m. - 4:30 a.m., Monday through Friday except holidays), at least 24 hours prior to spudding this well.
  - b. Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communications, not later than 5 days following the date on which the well is placed on production.
  - c. Production data shall be reported to the MMS pursuant to 30 CFR 216.5 using form MMS/3160.
  - d. The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or the date on which gas is first measured through permanent metering facilities, whichever first occurs.
  - e. Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.
  - f. Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or the

operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

- g. A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3 and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 and Onshore Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.
- h. Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).
- i. Drilling will commence immediately upon approval of this application.
- j. It is anticipated that the drilling of this well will take approximately 18-20 days.
- k. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.



ONSHORE ORDER NO. 1  
PG & E Resources Company  
#1-26B Federal  
880' FNL and 712' FEL  
NE NE Sec. 26, T9S - R19E  
Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

DRILLING PROGRAM  
Page 11

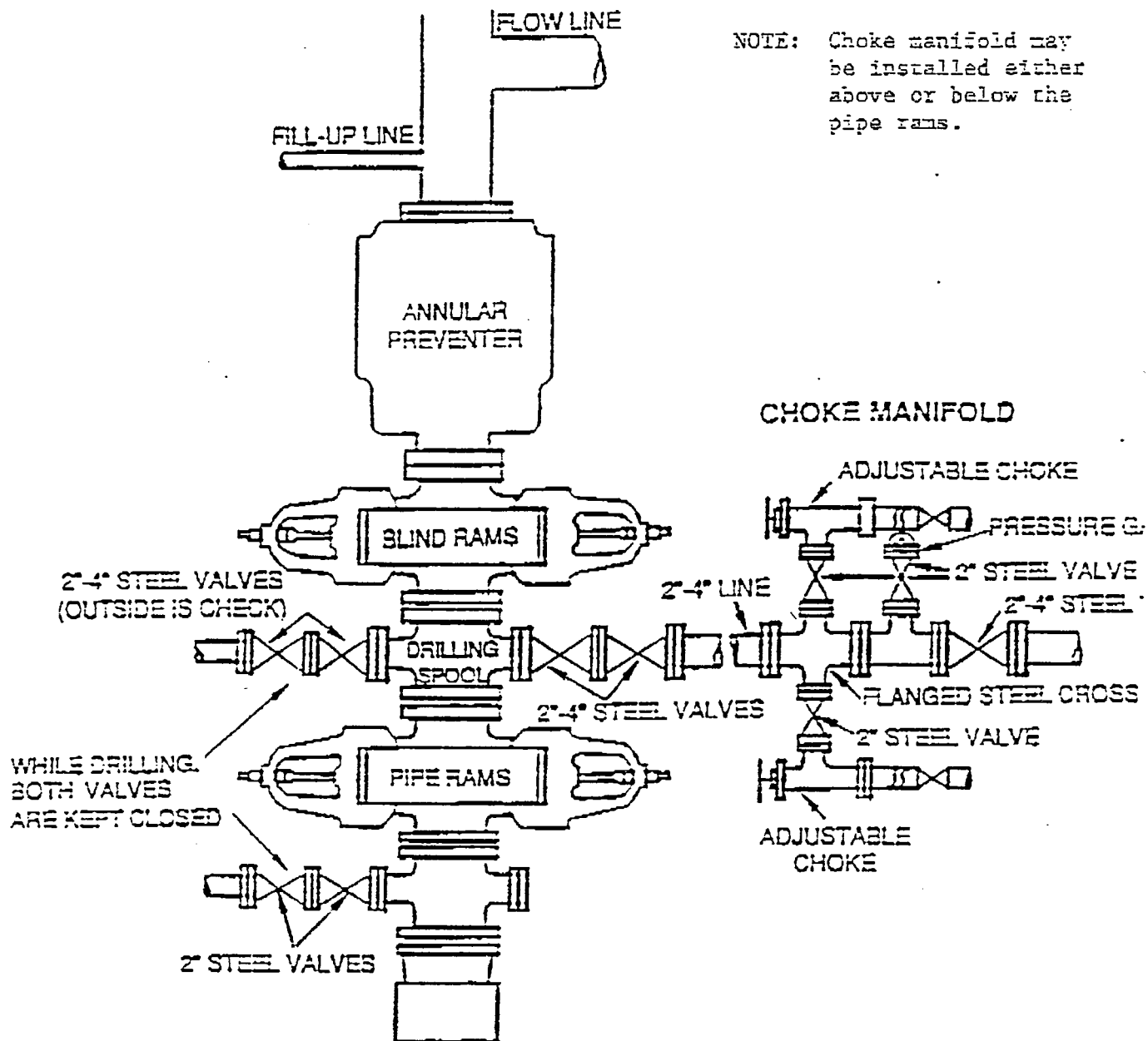
1. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.
- m. If a replacement rig is contemplated for completion operations, a "Sundry Notice" Form 3160-5 to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
- n. Pursuant to NTL-2B, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.
- o. A first production conference will be scheduled within 15 days after receipt of the first production notice.
- p. No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the SO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative. or the appropriate Surface Managing Agency.
- q. In the event after hours approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka (801) 781-1190  
Petroleum Engineer

Ed Forsman (801) 789-7077  
Petroleum Engineering

BLM FAX Machine (801) 789-3634

FIGURE NO. 1  
THREE PREVENTER HOOKUP  
CLASS III  
(MEETS 43 CFR, PART 3160, 3M SPECIFICATIONS)



ONSHORE ORDER NO. 1  
PG & E Resources Company  
#1-26B Federal  
880' FNL and 712' FEL  
NE NE Sec. 26, T9S - R19E  
Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

SURFACE USE PLAN  
Page 1

ONSHORE OIL & GAS ORDER NO. 1

Thirteen Point Surface Use Plan

1. Existing Roads

- a. The proposed well site is located approximately 8 miles southwest of Ouray, Utah.
- b. Directions to the location from Ouray, Utah are as follows:  
  
From Ouray proceed south on the Seep Ridge Road (County Road) for approximately 2.6 miles. Turn right and proceed southwesterly on an existing oilfield road for 3.1 miles to a fork in the road. Turn left and proceed south for 1.6 miles. Turn right and proceed west for 0.6 miles. Turn south and follow flagging for approximately 300' to the proposed location.
- c. For location of access roads within a 2-Mile radius, see Maps A & B.
- d. Improvement to the existing access will not be necessary.
- e. All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.
- f. Existing roads and newly constructed roads on surface under the jurisdiction of any Surface Managing Agency shall be maintained in accordance with the standards of the SMA.

2. Planned Access Roads

- a. There will be approximately 0.6 miles of existing access road to be upgraded and an additional 300 feet of new construction. The access will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet. Appropriate water control will be installed to control erosion.
- b. The maximum grade will be approximately 6% for a short distance.
- c. No turnouts are planned.

- d. One high water crossing will be constructed near the existing oilfield road as shown on Map "B". No culverts and/or bridges will be required.
- e. The access road was centerline flagged at the time of staking.
- f. The northern two track trail that follows the wash will be ripped and rehabilitated until it intersects with the flagged route. See Map "B".
- g. Surfacing material may be necessary depending on weather conditions.
- h. No cattleguards will be necessary.
- i. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.
- j. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).
- k. The road will be constructed/upgraded to meet the standards of the anticipated traffic flow and all weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowing and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.
- l. This application is to serve as our request for a road right of way for use of roads outside the lease boundary as shown on Map "B".

1. The term of years requested is 30 years or the entire life of the well.
  2. The length of roads crossing BLM lands outside of Lease No. UTU-68625 is approximately 2200 feet. The road is an existing two track and will be upgraded as specified above. Road width is also specified above.
  3. The road will be used year round for maintenance of production facilities. The volume or amount of product to be transported is unknown at this time.
  4. Construction will begin immediately upon approval of the proposed A.P.D. and associated right of way.
  5. No temporary work areas will be needed for construction.
  6. An archeological study was conducted by Sagebrush Archeological Consultants. No significant cultural resources were found and clearance has been recommended.
  7. If the well is not productive, the access road will be reclaimed as requested by the Bureau of Land Management.
3. Location of Existing Wells Within a 1-Mile Radius of the Proposed Location. (See Map #B).
- a. Water wells -none
  - b. Injection wells -none
  - c. Producing wells - one
  - d. Drilling wells - none
  - e. Shut-in wells - none
  - f. Temporarily abandoned wells - none
  - g. Disposal wells - none
  - h. Dry Holes - none
  - i. Other Proposed Locations - one

4. Location of Tank Batteries and Production Facilities.

- a. All permanent structures (onsite for six months or longer) constructed or installed (including oil well pump jacks) will be painted Desert Tan (10YR6/3). All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required paint color is Desert Brown.
- b. If storage facilities/tank batteries are constructed on this lease, the facility/battery or the wellpad shall be surrounded by a containment dike of sufficient capacity to contain at a minimum, the entire content of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.
- c. All loading lines will be placed inside the berm surrounding the tank battery.
- d. Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.
- e. The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil and Gas Order No. 4 for liquid hydrocarbons and Onshore Oil and Gas Order No. 5 for natural gas measurement.
- f. A Sundry Notice will be submitted showing placement of all production facilities prior to construction.
- g. If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), BLM will process a change in

authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation as determined by the authorized officer.

- h. Any necessary pits will be properly fenced to prevent any wildlife entry.
- i. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
- j. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the Authorized Officer.
- k. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic.
- l. The road will be maintained in a safe useable condition.

5. Location and Type of Water Supply

- a. All water needed for drilling purposes will be obtained from Makin Brine Well, which is located in Section 9, T8S - R20E, Uintah County, Utah.
- b. Water will be hauled to location over the roads marked on Maps A and B.
- c. No water well is to be drilled on this lease.
- d. A copy of the approved water permit is attached.

6. Source of Construction Material

- a. Surface and subsoil materials in the immediate area will be utilized.
- b. Any gravel used will be obtained from a commercial source.
- c. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2.3. Construction material will not be located on lease.

- d. No construction materials will be removed from Federal land.

7. Methods of Handling Waste Disposal

- a. The reserve pit will be constructed so as not to leak, break, or allow discharge. The reserve pit will be lined.
- b. A plastic nylon reinforced liner will be used. It will be a minimum of 12 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O.
- c. Burning will not be allowed. All trash will be contained in a trash cage and its contents removed at the end of drilling operations and hauled to an approved disposal sight.
- d. After first production, produced waste water will be confined to a unlined pit or storage tank for a period not to exceed ninety (90) days. During the 90-day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.
- e. Drill cuttings are to be contained and buried in the reserve pit.
- f. Any salts and/or chemicals which are an integral part of the drilling system will be disposed of in the same manner as the drilling fluid.
- g. A chemical porta-toilet will be furnished with the drilling rig.
- h. The produced fluids will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas salt water or other produced fluids will be cleaned up and removed.



8. Ancillary Facilities

There are no airstrips, camps, or other facilities planned during the drilling of the proposed well.

9. Well Site Layout

- a. The reserve pit will be located on the south side of the location.
- b. The flare pit will be located downwind of the prevailing wind direction on the southwest side, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.
- c. The stockpiled topsoil (first six inches) will be stored along the west side of the location between points 6 and 8 as shown on the rig layout diagram.
- d. Access to the wellpad will be from the east as shown on the attached rig layout.
- e. See Location Layout for orientation of rig, cross section of drill pad and cuts and fills.
- f. The location of mud tanks; reserve pit, trash cage; pipe racks; living facilities and soil stockpiles will be shown on the Location Layout.
- g. During construction, all brush will be removed from the wellpad and access road and stockpiled separately from the topsoil.
- h. All pits will be fenced according to the following minimum standards:
  1. 39 inch net wire shall be used with at least one strand or barbed wire on top of the net wire (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
  2. The net wire shall be no more than 2-inches above the ground. The barbed wire shall be 3-inches above the net wire. Total height of the fence shall be at least 42-inches.

ONSHORE ORDER NO. 1  
PG & E Resources Company  
#1-26B Federal  
880' FNL and 712' FEL  
NE NE Sec. 26, T9S - R19E  
Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

SURFACE USE PLAN

Page 8

3. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
4. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
5. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.
- i. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until cleanup.

10. Plans for Restoration of Surface

Producing Location

- a. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash and junk not required for production.
- b. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
- c. If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.
- d. The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed and all cans, barrels, pipe, etc., will be removed.
- e. The appropriate surface management agency should be contacted for the required seed mixture.

Dry Hole

- f. At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and BLM will



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attach the appropriate surface rehabilitation conditions of approval.

11. Surface Ownership

Access Roads - All roads are County maintained or are on Indian or BLM lands.

Wellpad - The well pad is located on lands managed by the BLM.

12. Other Information

a. A Class III archeological survey was conducted by Sagebrush Archeological Consultants. No significant cultural resources were found and clearance has been recommended. A copy of this report will be submitted directly to the appropriate agencies by Sagebrush Archeological Consultants.

b. The operator is responsible for informing all persons in the areas who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

-whether the materials appear eligible for the National Register of Historic Places;

-the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and

-a time frame for the AO to complete and expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate. If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and

stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- c. The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- d. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure.
- e. All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.
- f. A complete copy of the approved APD and ROW grant, if applicable shall be on location during construction of the location and drilling activities.
- g. There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.h.
- h. "Sundry Notice and Report on Wells" (From 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
- i. This permit will be valid for a period of one year from the date

ONSHORE ORDER NO. 1  
PG & E Resources Company  
#1-26B Federal  
880' FNL and 712' FEL  
NE NE Sec. 26, T9S - R19E  
Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

SURFACE USE PLAN  
Page 11

of approval. An extension period may be granted, if requested, prior to the expiration of the original approval period.

- j. The operator or his contractor shall contact the BIM Offices at 801/789-1362 48 hours prior to construction activities.
- k. The BIM Office shall be notified upon site completion prior to moving on the drilling rig.

13. Lessee's or Operator's Representative and Certification

Permit Matters  
PERMITCO INC.  
Lisa L. Smith  
13585 Jackson Drive  
Denver, CO 80241  
303/452-8888

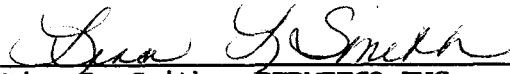
Drilling & Completion Matters  
PG & E Resources Company  
5950 Berkshire Lane  
Suite 600  
Dallas, TX 75225  
Gary Whetstine - 214/750-3800  
Mike McMican - 801/789-4573

Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by PG & E Resources Company and its contractors and subcontractors in conformity with the plan and the terms and conditions under which it is approved.

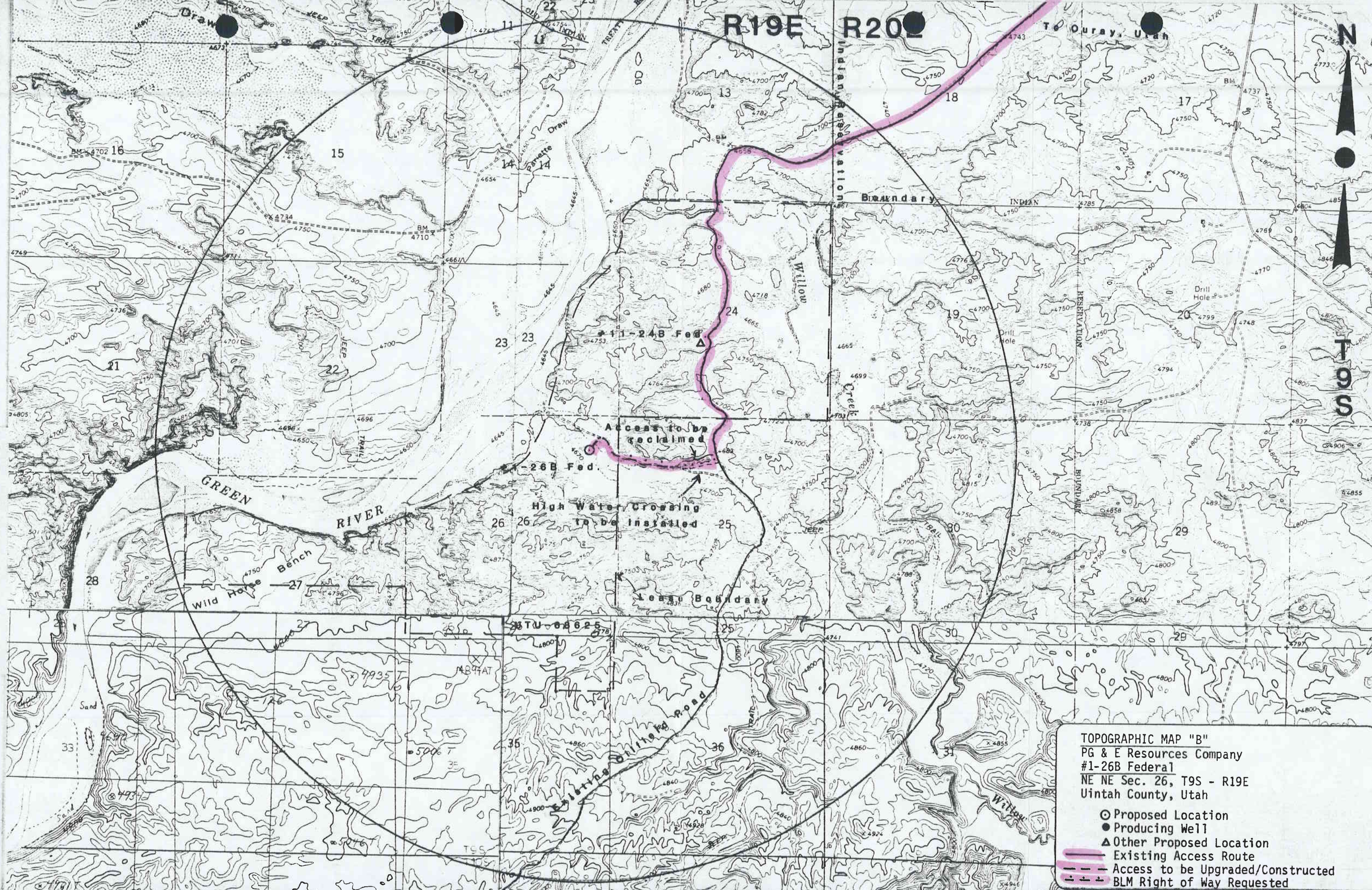
This statement is subject to the provisions of 18.U.S.C. 1001 for the filing of a false statement.

\_\_\_\_\_  
May 6, 1992  
Date:

  
\_\_\_\_\_  
Lisa L. Smith - PERMITCO INC.  
Authorized Agent for:  
PG & E Resources Company







TOPOGRAPHIC MAP "B"  
PG & E Resources Company  
#1-26B Federal  
NE NE Sec. 26, T9S - R19E  
Uintah County, Utah

- Proposed Location
- Producing Well
- △ Other Proposed Location
- Existing Access Route
- - - Access to be Upgraded/Constructed
- BLM Right of Way Requested



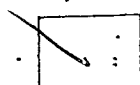
OPERATOR PG E. Rison Co N-0595 DATE 5-13-90  
WELL NAME Federal 1-00B  
C NE NE 00 T 9S R 19E COUNTY Mintah

43-047-30048  
API NUMBER

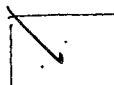
Federal (1)  
TYPE OF LEASE

**CONFIDENTIAL**

CHECK OFF:



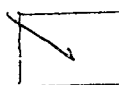
PLAT.



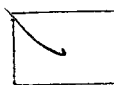
BOND



NEAREST  
WELL



LEASE



FIELD  
SLBM



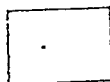
POTASH OR  
OIL SHALE

PROCESSING COMMENTS:

One additional well within Sec 06.  
Water Permit 43-8090 (+90-43-08) West Hazmat

APPROVAL LETTER:

PACING:

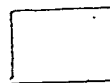


R615-2-3

N/A  
UNIT



R615-3-2



N/A  
CAUSE NO. & DATE



R615-3-3

STIPULATIONS:

**CONFIDENTIAL**  
PERIOD  
EXPIRED  
ON 10-11-93





# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

May 15, 1992

PG & E Resources Company  
5950 Berkshire Lane, Suite 600  
Dallas, Texas 75225

Gentlemen:

Re: Federal #1-26B Well, 880 feet from the north line, 712 feet from the east line,  
NE 1/4 NE 1/4, Section 26, Township 9 South, Range 19 East, Uintah County, Utah

Pursuant to Utah Admin. R. 649-3-2 and Utah Admin. R. 649-3-4, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
2. Notification within 24 hours after drilling operations commence.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.
6. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

Page 2  
PG & E Resources Company  
Federal #1-26B Well  
May 15, 1992

Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site should be submitted to the local health department. These drilling operations and any subsequent well operations should be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Department of Environmental Quality, Division of Drinking Water/Sanitation, telephone (801)538-6159.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-047-32248.

Sincerely,

A handwritten signature in black ink, appearing to read 'R.J. Firth', is written over the printed name.

R.J. Firth  
Associate Director, Oil and Gas

ldc  
Enclosures  
cc: Bureau of Land Management  
J.L. Thompson  
WO11

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☐

GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR 214/750-3800 5950 Berkshire Lane, Suite 600

PG & E Resources Company Dallas, TX 75225

3. ADDRESS OF OPERATOR 303/452-8888 13585 Jackson Drive

Permitco Inc. - Agent Denver, CO 80241

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface 880' FNL and 712' FEL

At proposed prod. zone NE NE Sec. 26 43-097-32248

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 712'

16. NO. OF ACRES IN LEASE  
1667.76

17. NO. OF ACRES ASSIGNED  
TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT. approx. 3800'

19. PROPOSED DEPTH  
8200'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4666' GR

22. APPROX. DATE WORK WILL START\*

Immediately upon approval  
of this application.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	400'	170 sx or suffic to circ to surf.
7-7/8"	5-1/2"	17#	8200'	600 sx or suffic to cover zones of interest.

PG & E Resources Company proposes to drill a well to 8200' to test the Wasatch formation. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

See Onshore Order No. 1 attached.

Please be advised that PG & E Resources Company is considered to be the Operator of the above mentioned well. PG & E Resources Company agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the leased lands.

Bond coverage for this well is provided by Bond No. U-187011. The principal is PG & E Resources Company via surety consent as provided for in 43 CFR 3104.2.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE Consultant for  
PG & E Resources Company DATE May 6, 1992

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

ASSISTANT DISTRICT  
MANAGER MINERALS

DATE JUL 7 1992

NOTICE OF APPROVAL

\*See Instructions On Reverse Side

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL FOR THE  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: PG&E Resources Company

Well Name & Number: 1-26B

Lease Number: UTU-68625

Location: NENE Sec. 26 T. 9S R. 19E

Surface Ownership: Public Lands Administered by the BLM

NOTIFICATION REQUIREMENTS

- |                                 |   |  |
|---------------------------------|---|--|
| Location Construction           | - | at least forty-eight (48) hours prior to construction of location and access roads.  |
| Location Completion             | - | prior to moving on the drilling rig.   |
| Spud Notice                     | - | at least twenty-four (24) hours prior to spudding the well.  |
| Casing String and Cementing     | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings.  |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests.  |
| First Production Notice         | - | within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

#### Additional Surface Stipulations

Minor Modifications to first 100 yards of access to keep it out of the existing wash and involve just one crossing there. Rehab old trail parallel to the new access.

In order to avoid destroying potential T & E plant habitat the pad would be rotated 20 feet south at corner 2 and 20 feet North at corner 8 to move corner 2 further away from the edge of the hill.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company PG&E Resources Well No. Federal 1-26B  
Location NENE Section 26, T9S, R19E Lease No. U - 68625

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Casing Program and Auxiliary Equipment

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at  $\pm 1,120$  ft.

3. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

4. Coring, Logging and Testing Program

A cement bond log (CBL) shall be utilized to determine the top of cement (TOC) and bond quality for the production casing.

5. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spend solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.



There are no federal stipulations at this time.



A Class III Archeological Survey has been conducted by Sagebrush Archeological Consultants. No significant cultural resources were found and clearance has been recommended. A copy of this report will be submitted to the appropriate agencies by Sagebrush Archeological Consultants.



DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER RIGHTS

Norman H. Bangert  
Governor  
Dee C. Hansen  
Executive Director  
Robert L. Morgan  
State Engineer

Eastern Area  
State/County Building  
152 East 100 North  
Vernal, Utah 84078-2110  
801-781-0770 x 327

March 13, 1992

Dale Price  
West Hazmat Trucking Corp  
P. O. Box 1667  
Vernal, UT 84078

RE: Temporary Change t92-43-065  
Water Right No. 43-8290

Dear Mr. Price:

The above numbered Temporary Change Application has been approved subject to prior rights. The water is supplied by an underground water well owned by West Hazmat Trucking Corp..

A copy is herewith returned to you for your records and future reference.

Sincerely,

Robert W. Leake, P.E.  
Regional Engineer  
For Robert L. Morgan, P.E.  
State Engineer

RWL/bmw

Enclosure

# APPLICATION FOR TEMPORARY CHANGE OF WATER

## STATE OF UTAH

Rec. by \_\_\_\_\_

Fee Paid \$ \_\_\_\_\_

Receipt # \_\_\_\_\_

Microfilmed \_\_\_\_\_

Roll # \_\_\_\_\_

For the purpose of obtaining permission to make a temporary change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Section 73-3-3 Utah Code Annotated 1953, as amended.

CHANGE APPLICATION NUMBER: t92-43-08

WATER RIGHT NUMBER: 43 - 8290

\*\*\*\*\*

This Change Application proposes to change the PLACE OF USE.

\*\*\*\*\*

### 1. OWNERSHIP INFORMATION.

A. NAME: West Hazmat Trucking Corporation  
ADDRESS: P.O. Box 1667, Vernal, UT 84078

INTEREST: 100%

B. PRIORITY OF CHANGE: April 13, 1992

FILING DATE: April 13, 1992

C. RIGHT EVIDENCED BY: A51641 (t92-43-06)

\*-----\*  
\* DESCRIPTION OF CURRENT WATER RIGHT: \*  
\*-----\*

### 2. SOURCE INFORMATION.

A. QUANTITY OF WATER: 0.04 cfs

B. DIRECT SOURCE: Underground Water Well

COUNTY: Uintah

C. POINT OF DIVERSION -- UNDERGROUND:

(1) N 960 feet W 130 feet from E $\frac{1}{4}$  corner, Section 9, T 8S, R 20E, SLBM  
WELL DIAMETER: 18 inches WELL DEPTH: 54 feet

### 3. WATER USE INFORMATION.


INDUSTRIAL: from Jan 1 to Dec 31.

Makin Brine Drilling fluid for drilling  
Oil & Gas Wells,

\*-----\*

Temporary Change

July 17, 1992



State of Utah  
Department of Natural Resources  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attn: R. J. Firth  
Associate Director, Oil and Gas

Re: Federal #1-26B  
NE NE Sec. 26, T9S - R19E  
Carbon County, Utah

Dear Mr. Firth:

Enclosed is the following Form for the above referenced well:

- Form 6 Entity Action Form

If you should have further questions, please contact the undersigned at (214) 750-3988.

Yours very truly,



Jim LaFevers  
Regulatory Affairs Supervisor

JL:ah

Enclosure

RECEIVED

JUL 20 1992

DIVISION OF  
OIL GAS & MINING

ENTITY ACTION FORM - FORM 6

OPERATOR PG&E Resources Company  
ADDRESS 5950 Berkshire, Suite 600  
Dallas, TX 75225

OPERATOR ACCT. NO. N 0595

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11380	43-047-32248	Federal #1-26B	NENE	26	9S	19E	Uintah	7/16/92	7/16/92
WELL 1 COMMENTS: Entity added 7-23-92 for Well was spudded 7/16/92.											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)  
A - Establish new entity for new well (single well only)  
B - Add new well to existing entity (group or unit well)  
C - Re-assign well from one existing entity to another existing entity  
D - Re-assign well from one existing entity to a new entity  
E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED

JUL 20 1992

DIVISION OF  
OIL & GAS MINING

Jim LaFever  
Signature  
Reg. Affairs Supervisor 7/17/92  
Title Date  
Phone No. (214) 750-3988

7/17/92

To: Frank Matthews - Utah State  
and

Ed Forsman - BLM or

Jerry Kenezka - BLM

From: Richard Miller PG&E  
1-888-7712

RE: Fed 1-26 B

Uintah Cnty U +

while air drilling the  
surface hole we encountered  
water at 100 ft. It will  
raise to a level of  
approx 50 ft when we  
stop drlg.

Richard

API 43-047-32240

From: PG&E RIVER BEND

PHONE NO.: 801 828 7713

JUL 17 1992 11:05AM P01

To: State Rep: Frank Matthews  
& BLM: Ed Forsmen

From: PG & E Richard Miller  
828-7712

RE: Fed 1-26B

We will be moving

SST Rig 3 to location

and begin drilling on

7/26/92.

43-047-37248  
Richard Miller Dec. 26

7/24/92 T. 9S R. 19E





U. S. Department of the Interior  
Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078

July 23, 1992

RECEIVED

JUL 27 1992

DIVISION OF  
OIL GAS & MINING

Attn: Mr. Ed Forsman  
Petroleum Engineer

Re: Federal #1-26B  
Uintah County, Utah

Dear Mr. Forsman:

Enclosed are the following reports for the above referenced wells:

- Sundry Notice (Form 9)

If you should need further information, please contact me at (214) 750-3988.

Yours very truly,

A handwritten signature in cursive script, reading "Jim LaFevers".

Jim LaFevers  
Regulatory Affairs Supervisor

JL:ah

Enclosure

cc: Reg. File

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

UTU-68625

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Federal

9. API Well No.

#1-26B 43-047-37248

10. Field and Pool, or Exploratory Area

Undesignated 002

11. County or Parish, State

Uintah

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

PG&E Resources Company

3. Address and Telephone No.

5950 Berkshire, Suite 600, Dallas, TX 75225 (214) 750-3800

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

800' FNL & 712' FEL  
NE NE Sec. 26 T. 9S R. 19E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other \_\_\_\_\_
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Spud well 7/20/92. Drilled 12-1/4" hole to 397'.

Ran 8 5/8" casing to 397'. (Float at 355') Cemented with 285 sx Class G with 2% CaCl and .25 ppg cello seal with 4.96 gps water at 15.8 ppg with full returns through job.

If you have any questions, please contact Jim LaFevers at (214) 750-3988.

cc: 3 - Bureau of Land Management  
1 - Div. of Oil, Gas and Mining - SLC, UT  
1 - PG&E Resources - Vernal, UT  
1 - PG&E Resources - Dallas, TX

RECEIVED

JUL 27 1992

DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

*Jim LaFevers*

Title Regulatory Affairs Supervisor

Date 7/23/92

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

7/30/92

8:00 AM

TO: Ed Forsman - BLM

Frank Matthews - Utah State  
Div. of Oil

From: Richard Miller 828-7712

PG & E Resources

We observed that the  
1-26 B was flowing  
43-047-32248 Sec 26 T9S R19E  
a slight 1" stream

while we had stopped  
circling to run a  
survey at 3509'.

Richard Miller

7/30/92

From : PG&E RIVER BEND

PHONE No. : 801 828 7713

JUL 30 1992 8:08AM P01

Jul. 25 1992 6:32AM P01

PHONE No. : 801 828 7713

From : PG&E RIVER BEND

To: State Rep: Frank Matthews  
BLM: Ed Forsman

From: PG&E Richard Miller  
828-7712

RE: Fed 1-26B

We will be moving

SST Rig 3 to location  
and begin drilling on  
7/26/92.

Richard Miller

7/24/92

We will also be  
testing the B.O.P.E.  
On the morning of  
7/26/92.

43-047-32248

Sec. 26 T. 9S R. 19E

September 16, 1992



Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

Attn: Ed Forsman

Re: Federal #1-26B  
Sec. 26, T9S-R19E  
Uintah County, Utah

Dear Mr. Forsman:

Enclosed is Form 9 - Sundry Notice (in triplicate) to indicate first production for the above referenced well.

If you should require additional information, please contact me at (214) 750-3958.

Yours very truly,

*Ava Hurst*

Ava Hurst  
Production Administrator  
Regulatory Affairs

/ah

Enclosures

cc: State of Utah

RECEIVED

SEP 21 1992

DIVISION OF  
OIL GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

PG&E Resources Company

3. Address and Telephone No.

6688 N. Central Expressway, Ste 1000, Dallas, TX 75206-3922

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

880' FNL & 712' FEL NE NE Sec. 26, T9S-R19E

5. Lease Designation and Serial No.

UTU-68625

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

#1-26B Federal

9. API Well No.

43-047-32248

10. Field and Pool, or Exploratory Area

Undesignated 002

11. County or Parish, State

Uintah, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other First Production
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

PG&E Resources Company has sold its first production from the above referenced well on 9/11/92. To date, approximately 900 bbls have been sold.

Approval to sell oil was granted by Ed Forsman 9/9/92.

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SEP 21 1992

DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Rva Hurst

Title

Production Administrator  
Regulatory Affairs

Date

9/16/92

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

October 5, 1992

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OCT 07 1992

DIVISION OF  
OIL GAS & MINING



Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

Re: Federal #1-26B  
Federal #13-26B  
Riverbend Area  
Uintah County, Utah

Gentlemen:

Enclosed are Forms 3160-4 Well Completion Form for the above referenced wells.

If you should require additional information, please contact the undersigned at (214) 750-3958.

Yours very truly,

*Ava Hurst*

Ava Hurst  
Regulatory Affairs

/ah

Enclosures

cc: State of Utah

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other  
instructions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐  
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RENVR. ☐ Other ☐  
2. NAME OF OPERATOR  
PG&E Resources Company  
3. ADDRESS OF OPERATOR  
6688 N. Central Expressway, Suite 1000, Dallas, TX 75208-3922  
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 880' FNL & 712' FEL  
At top prod. interval reported below same  
At total depth same

14. PERMIT NO. 43-047-32248  
DATE ISSUED 5/15/92

5. LEASE DESIGNATION AND SERIAL NO.  
UTU-68625  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
N/A  
7. UNIT AGREEMENT NAME  
N/A  
8. FARM OR LEASE NAME  
Federal  
9. WELL NO.  
#1-26B  
10. FIELD AND POOL, OR WILDCAT  
Undesignated 002  
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 26, T9S-R19E

12. COUNTY OR PARISH  
Utah  
13. STATE  
Utah

15. DATE SPUNDED 7/20/92  
16. DATE T.D. REACHED 8/11/92  
17. DATE COMPL. (Ready to prod.) 9/11/92  
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 4666 GR  
19. ELEV. CASINGHEAD 4669' GR

20. TOTAL DEPTH, MD & TVD 6626'  
21. PLUG BACK T.D., MD & TVD 6520'  
22. IF MULTIPLE COMPL., HOW MANY\*  
23. INTERVALS DRILLED BY  
ROTARY TOOLS X  
CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
4870'-4900' Green River Zone  
25. WAS DIRECTIONAL SURVEY MADE  
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN  
V CBL/GR/CCL DUAL LATEROLOG 9-10-92  
COMPENSATED DENSITY DUAL SPACED NEUTRON LOG  
27. WAS WELL CORDED  
No

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24# J-55	397'	12 1/4"	Cmt w/285 sx C1 G w/add	0
4 1/2"	11.6# N-80	6623'	7 7/8"	Cmt w/400 sx lead & 1500 sx tail	0

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					N/A		

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
4870'-4900' 1 spf		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		4870'-4900'	Acidize w/1500 gal 15% Hcl
		4870'-4900'	Frac w/43 bbl 3% Kcl/1600#

33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
9/11/92		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/9/92	12	10/64	→	105	TSTM	2	--
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
200#	800#	→	210	TSTM	4	--	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
Venting  
TEST WITNESSED BY  
Randy Miller

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Ava Hurst TITLE Regulatory Affairs DATE 10/5/92

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Green River	4900'	4870'	Oil

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Basal LS		5064'
Top Wasatch		5208'

2147503162


2147503162 PG&E RESOURCES CO

**PG&E Resources Company**

812 P02 OCT 20 '92 13:37

6688 N. Central Expressway, Suite 1000  
Dallas, Texas 75206-3922  
Telephone 214/750-3800  
FAX 214/750-3883

October 20, 1992



Mr. John Firth  
Division of Oil, Gas & Mining  
355 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203


Dear Mr. Firth:

PIC Technologies, Inc. is conducting a third party environmental audit for PG&E Resources Company which includes our Utah properties. Mr. Dave Schaub of PIC Technologies, Inc. will be in your offices tomorrow and has our permission to copy the following well files which are being held as CONFIDENTIAL:

Federal 7-9  
Federal 9-36A  
Federal 33-18J  
Federal 11-24B  
Federal 13-26B  
Federal 1-26B  
Federal 2-32B  
Federal 5-36B  
Federal 9-36

If you have any questions regarding the release of these well files, please call me at 214-750-3851.

Yours very truly,

  
Clark Clement  
Manager, Production Engineering

CC:sjh

PG&E Resources Company  
6688 N. Central Expressway, Suite 1000  
Dallas, Texas 75206-3922  
(214) 750-3800

## FAX COVER SHEET

PG&E Resources Fax Numbers

___ Acquisition/Development (4th Flr)	(214) 750-3954
___ Business Development/Legal (10th Flr)	(214) 750-3166
___ Data Processing (2nd Flr)	(214) 750-3159
___ Drilling (5th Flr)	(214) 750-3845
___ Executive (10th Flr.)	(214) 750-3803
___ Exploration-Offshore (5th Flr)	(214) 750-3163
___ Exploration-Onshore (6th Flr)	(214) 750-3993
___ Financial Acctg/Tax Dept (10th Flr)	(214) 750-3188
___ General Accounting (2nd Flr)	(214) 750-3998
___ Human Resources (10th Flr.)	(214) 750-3165
___ Land/Land Admin (4th Flr)	(214) 750-3977
___ Main Fax (2nd Flr)	(214) 750-3883
___ Marketing (10th Flr)	(214) 750-3994
___ Operations-Offshore/Materials (5th Flr)	(214) 750-3189
✓ Operations-Onshore (6th Flr)	(214) 750-3164
___ Production/Revenue Acctg (2nd Flr)	(214) 750-3162
___ Treasury (10th Flr)	(214) 750-3160

*This transmittal was sent from the Fax # checked above*

TO: Mr. John Firth @ \_\_\_\_\_ @ FAX # 801-359-3940  
 TO: \_\_\_\_\_ @ \_\_\_\_\_ @ FAX # \_\_\_\_\_  
 TO: \_\_\_\_\_ @ \_\_\_\_\_ @ FAX # \_\_\_\_\_

FROM: CLARK CLEMENT Date: 10/20/92

The information contained in or attached to this facsimile transmission is intended only for the confidential use of the individual(s) named above. If you are not the named recipient or an agent responsible for delivering it to the named recipient, you are hereby notified that you have received this document in error and that review, dissemination or copying of this communication is prohibited. If you have received this transmission in error, please notify us immediately by telephone and return the original documents to us by mail.

TOTAL NO. OF PAGES: 1 (does not include cover page)

MESSAGE

IF YOU DO NOT RECEIVE ALL OF THIS TRANSMITTAL, PLEASE NOTIFY

Sherry @ (214) 750-706-3616

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OCT 21 1992

DIVISION OF  
OIL, GAS & MINING

October 20, 1992



Mr. John Firth  
Division of Oil, Gas & Mining  
355 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

Dear Mr. Firth:

PIC Technologies, Inc. is conducting a third party environmental audit for PG&E Resources Company which includes our Utah properties. Mr. Dave Schaub of PIC Technologies, Inc. will be in your offices tomorrow and has our permission to copy the following well files which are being held as CONFIDENTIAL:

Federal 7-9  
Federal 9-36A  
Federal 33-18J  
Federal 11-24B  
Federal 13-26B  
Federal 1-26B  
Federal 2-32B  
Federal 5-36B  
Federal 9-36

If you have any questions regarding the release of these well files, please call me at 214-750-3851.

Yours very truly,

*Clark Clement PE*  
Clark Clement  
Manager, Production Engineering

CC:sjh



October 29, 1992

RECEIVED

NOV 02 1992

DIVISION OF  
OIL GAS & MINING

Vicky Carney  
State of Utah  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

RE: State 9-36A  
State 9-36B  
Federal #1-26B SEC 26 T09S R19E 43 047 32248

Dear Ms. Carney:

Per your request, enclosed are the Cement Bond Logs on the above mentioned wells.

Sincerely,



Darla Peluso  
Geological Technician  
Rocky Mountain Division

DP:dp

cc: well file

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

PG&E Resources Company

3. Address and Telephone Number:

6688 N. Central Expressway, Ste. 1000, Dallas, TX 75206-3922

4. Location of Well

Footages: 880' FNL & 712' FEL

QQ, Sec., T., R., M.: NE NE Sec. 26, T9S-R19E

5. Lease Designation and Serial Number:

UTU-68625

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

N/A

8. Well Name and Number:

Federal #1-26B

9. API Well Number:

43-047-32248

10. Field and Pool, or Wildcat:

Undesignated 002

County: Uintah

State: Utah

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

### NOTICE OF INTENT

(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment             | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion     | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____             |   |

Approximate date work will start \_\_\_\_\_

### SUBSEQUENT REPORT

(Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment *                         | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair                         | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                       | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Conversion to Injection               | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat                        | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Status Report</u> |   |

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

In reference to letter dated 12/4/92 regarding status of the above referenced well.  
This well will be shut in more than 60 days waiting on pipeline connection.

RECEIVED

JAN 19 1993

DIVISION OF

13.

Name & Signature:

*Ava Hurst*

Ava Hurst

Title:

Permit Specialists

Date:

1/13/93

(This space for State use only)





**WEST WILLOW CREEK UNIT  
FEDERAL 1-26B  
UINTAH COUNTY, UT**

**A. ELECTRIC LOGS**

A copy of the marked injection interval is attached for your convenience. The electric logs have been submitted and are on file with the Utah Division of Oil, Gas & Mining and Bureau of Land Management.

**B. CEMENT BOND LOGS**

The Cement Bond Logs have been submitted and are currently on file with the Utah Division of Oil, Gas & Mining and Bureau of Land Management.

**C. CASING PROGRAM/TESTING PROCEDURES**

The casing program is reflected on the attached wellbore diagram. Before injection begins, the casing outside the tubing shall be tested to 1000 psi as required in R615-5-5.

**D. INJECTION FLUID**

Casinghead gas from the West Willow Creek Unit Green River formation will be re-injected. A gas analysis and a water analysis of the Green River Formation are attached for your information. The initial injection rate will be approximately 3,000 MCFD at an injection pressure of 2500 psi.

**E. FRESH WATER PROTECTION**

The frac gradients for the field average to be .75 psig/ft. The maximum injection pressures will be kept below this gradient.

**F. GEOLOGY**

West Willow Creek Field production is from a lower Green River formation zone, which is called the E<sub>(2)</sub> carbonate by PG&E Resources. Within the field area, the carbonate interval thickens to as much as 100 feet, with best porosity and permeability developed in the uppermost 10 to 40 feet. The reservoir is in a stratigraphic trap with porosity development in a dolomitized ostracodal limestone buildup that was deposited in a near shore, shallow water locustrine environment.

**G. OFFSET WELL MECHANICAL CONDITION (1/2 MILE RADIUS)**

OFFSET WELL - FEDERAL 13-24B (Section 24, T9S-R19E SW/SW)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	9-5/8"	5-1/2"
Weight (lbs/ft)	36#	17#
Grade	K-55	N-80
Setting Depth	400'	5405'
Amount of Cement	2305sx	340sx + 340sx
Type of Cement	Premium AG	Hi-Fill + 50/50 Poz
Top of Cement	Surface	Surface
Date Set	06/14/93	06/22/93
PBTD		5278'

**H. AFFIDAVIT OF NOTIFICATION**

To whom it may concern:

Copies of the UIC Form 1 application for the Federal 1-26B have been mailed to the following on June 2, 1994.

**OFFSET OPERATORS:**

PG&E Resources Company  
6688 N. Central Expwy., Suite 1000  
Dallas, TX 75206

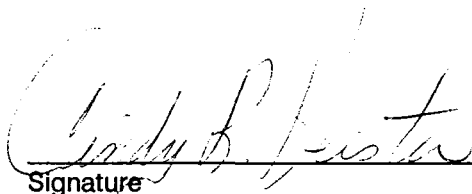
**INTEREST OWNERS:**

CNG Producing Company  
The CNG Tower  
1450 Poydras St.  
New Orleans, LA 70112-6000

PG&E Resources Company  
6688 N. Central Expwy., Suite 1000  
Dallas, TX 75206

**SURFACE OWNERS:**

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

  
Signature

Cindy Keister

Name

(214) 706-3640

Telephone

Sr. Regulatory Analyst

Title

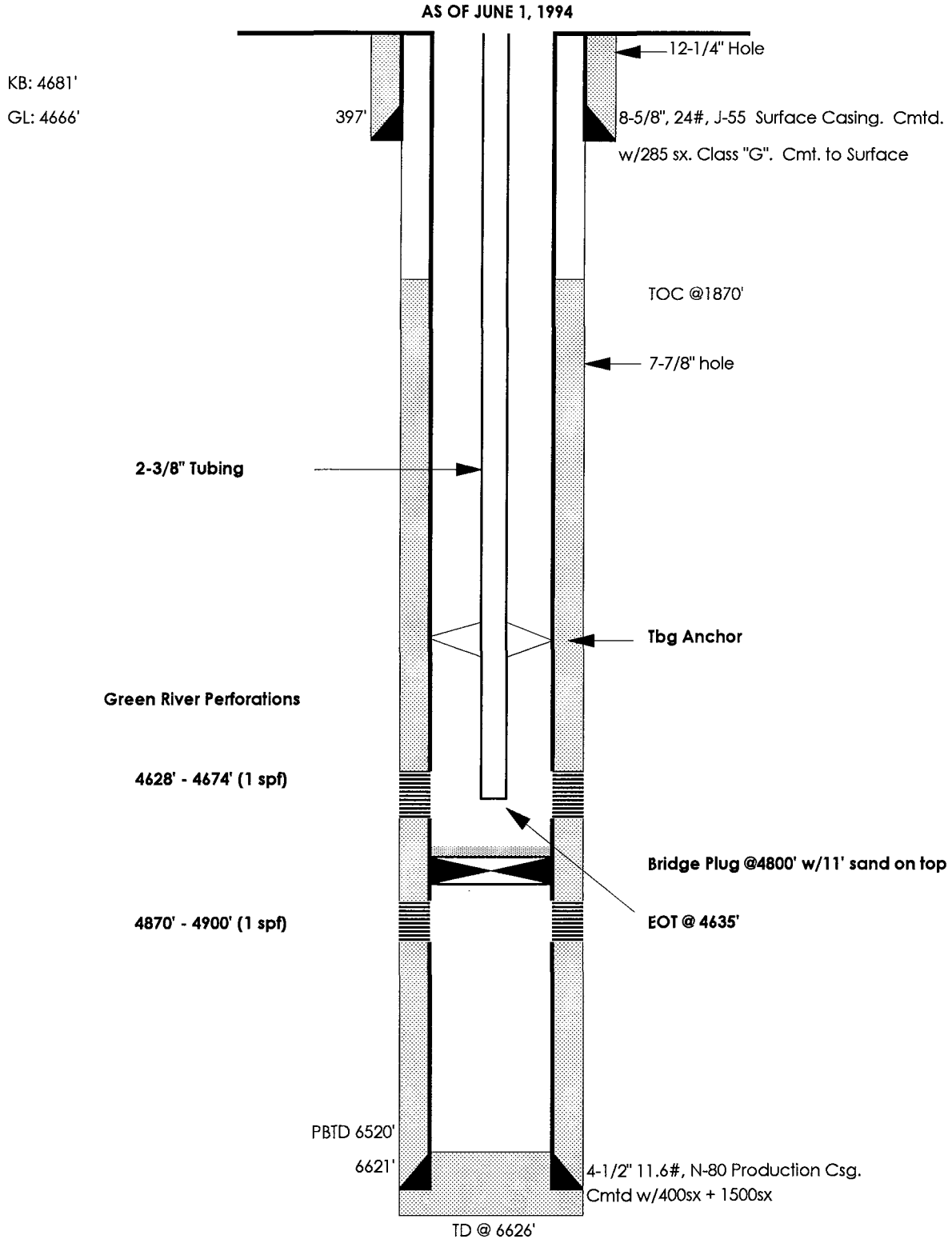
June 2, 1994

Date

**FEDERAL 1-26B**  
**WEST WILLOW CREEK UNIT**  
 Uintah County, Utah

Spud: 7/20/92  
 TD Date: 8/11/92  
 Compl. Date: 9/11/92

Sec 26-T9S-R19E  
 880' FNL & 712' FEL  
 NE/4 NE/4



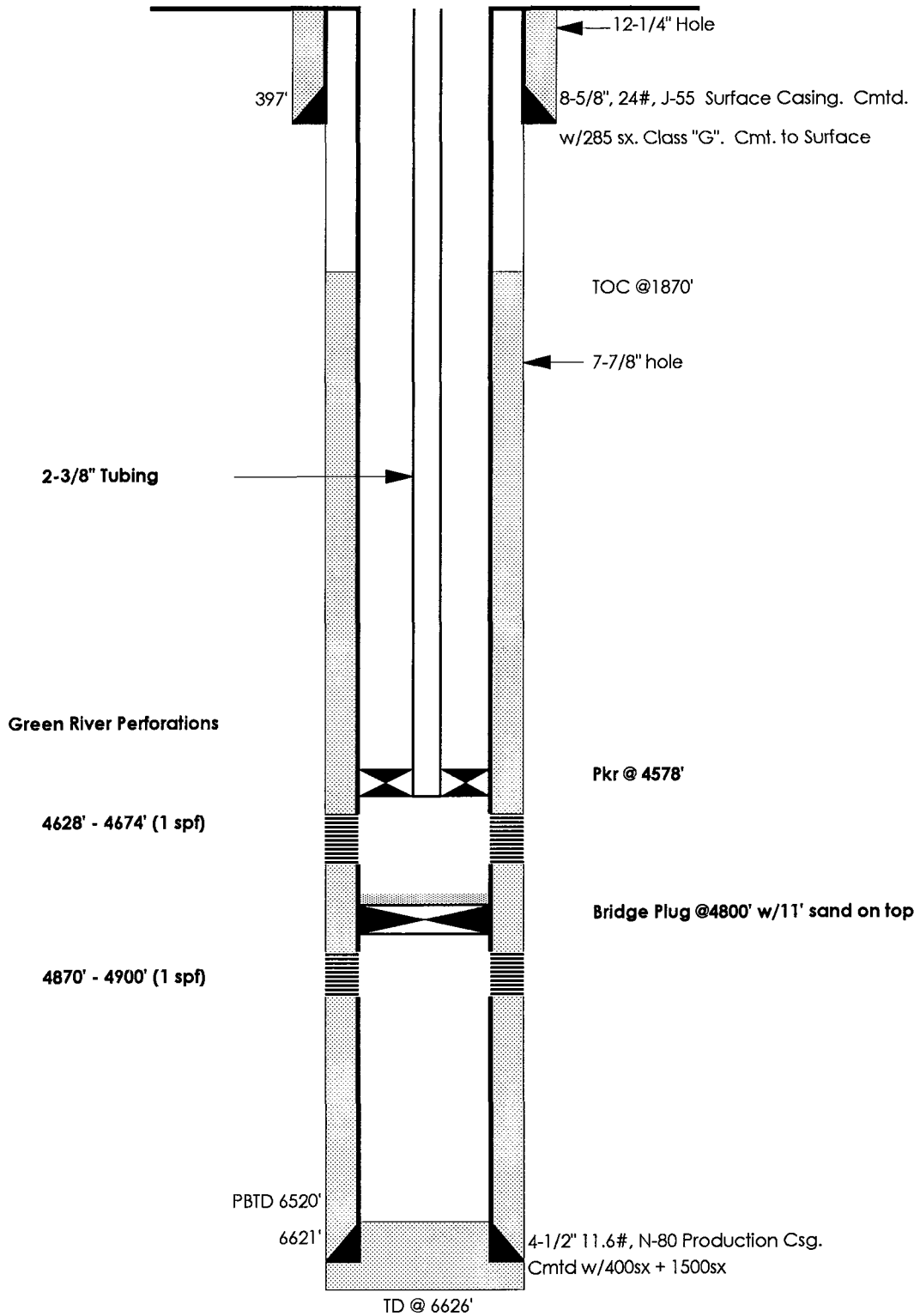
**FEDERAL 1-26B**  
**WEST WILLOW CREEK UNIT**  
Uintah County, Utah

Spud: 7/20/92  
TD Date: 8/11/92  
Compl. Date: 9/11/92

**PROPOSED**

Sec 26-T9S-R19E  
880' FNL & 712' FEL  
NE/4 NE/4

KB: 4681'  
GL: 4666'





2060 SOUTH 1500 EAST  
VERNAL, UTAH 84078

Telephone (801) 789-4327

RB 15-24B

REPORT #: 930200

WATER ANALYSIS REPORT

=====

COMPANY: P G & E

REPORT FOR: MR. RANDY MILLER

CC: MR.

CC: MR.

CC: MR.

FIELD/LEASE:

DATE SAMPLED: 8/24/93

DATE RECEIVED: 8/26/93

DATE REPORTED: 8/26/93

SERVICE ENGINEER: ED SCHWARZ

CHEMICAL COMPONENT	
CHLORIDE	42000
SULFATE	2844
CARBONATE	
BICARBONATE	463.6
CALCIUM	1120
MAGNESIUM	194.4
IRON	1.8
BARIUM	
STRONTIUM	
SODIUM	27119
PH	7.44
IONIC STRENGTH	1.32
SPECIFIC GRAVITY	1.04
SI@20C ( 68F)	0.26
SI@25C ( 77F)	0.34
SI@30C ( 86F)	0.48
SI@40C (104F)	0.66
SI@50C (122F)	0.89
SI@60C (140F)	1.25
SI@70C (158F)	1.56
SI@80C (176F)	1.91
SI@90C (194F)	2.31
TDS (MGS/L)	73741
TEMPERATURE (F)	
DISSOLVED H2S (PPM)	4.08
DISSOLVED CO2 (PPM)	53

ANALYST:

D. MOSES

# CNG Producing Company

RBU 3-25B

RFL 930100

## Composition of Separator Gas

( From Chromatographic Technique )

Component	Mol %	GPM	MW	Liq Dens (gm/cc)
Hydrogen Sulfide	0.00			
Carbon Dioxide	0.43		44.010	.8172
Nitrogen	0.44		28.013	.8086
Methane	87.19		16.043	.2997
Ethane	5.33	1.454	30.070	.3558
Propane	3.72	1.046	44.097	.5065
iso-Butane	0.59	.197	58.123	.5623
n-Butane	1.16	.373	58.123	.5834
iso-Pentane	0.34	.127	72.150	.6241
n-Pentane	0.32	.118	72.150	.6305
Hexanes	0.24	.095	84.000	.6850
Heptanes	0.15	.064	96.000	.7220
Octanes	0.07	.032	107.00	.7450
Nonanes	0.02	.010	121.00	.7640
Decanes	Trace			
Undecanes plus	Nil			
<b>Totals .....</b>	<b>100.00</b>	<b>3.516</b>		

### Sampling Conditions

80 psig

137 °F

### Sample Characteristics

This is Core Lab sample number 202

Critical Pressure (psia) ..... 663.1

Critical Temperature (°R) ..... 380.1

Average Molecular Weight ..... 19.48

Calculated Gas Gravity (air = 1.000) ..... 0.673

Gas Gravity

Factor, Fg ..... 1.2193

Super Compressibility Factor, Fpv

at sampling conditions ..... 1.0051

Gas Z-Factor

at sampling conditions \* ..... 0.990

at 15.025 psia and 60 °F

Gross Heating Value

(BTU/scf dry gas) ..... 1203

### Properties of Plus Fractions

Component	Mol %	MW	Liq Dens (gm/cc)	API Gravity
Heptanes plus	0.24	101.3	0.733	45.0

\* From: Standing, M.B., "Volumetric and Phase Behavior of Oil Field Hydrocarbon Systems", SPE (Dallas), 1977, 8th Edition, Appendix II.

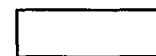
60%  $G_g = 0.627$   
100%  $G_g^+ = 1.015$



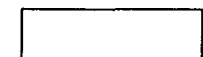
TANK



TANK



PROPANE TANK

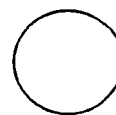


TREATER



LINE HEATER

PUMPJACK



WELLHEAD



# LOCATION PLAT

FEDERAL #1-26B

SEC.26 T.9S R19E

UINTAH COUNTY, UTAH

API NO. 43-047-32248

ACCESS ROAD











# DUAL LATEROLOG

COMPANY P G AND E RESOURCES		COMPANY P G AND E RESOURCES COMPANY	
WELL FEDERAL 1-26		WELL FEDERAL 1-26	
FIELD RIVERBEND WASATCH		FIELD RIVERBEND WASATCH	
COUNTY UINTAH		COUNTY UINTAH	
STATE UT		STATE UT	
SECT 26		TWP 9S	
RGE 19E		RGE 19E	
PERMANENT DATUM GL		ELEV. 7311	
LOG MEASURED FROM KB 15		FT. ABOVE PERM DATUM	
DRILLING MEASURED FROM KB		ELEV. : K.B. 4681	
DATE 08/11/92		D.F. 4680	
RUN NO. ONE		G.L. 4666	
DEPTH-DRILLER 6626			
DEPTH-LOGGER 6626			
BTM. LOG INTER 6609			
TOP LOG INTER 100			
CASING DRILLER 8.625*412			
NG-LOGGER 406			
BIT SIZE 7.875			
TYPE FLUID IN HOLE NAOL BRINE			
DENS. : VISC. 10.4 : 32			
PH : FLUID LOSS 8.0 : N/C			
SOURCE OF SAMPLE FLOWLINE			
RM @ MEAS. TEMP. 0.12 @ 84 F			
RMF @ MEAS. TEMP. 0.11 @ 84 F			
RMC @ MEAS. TEMP. 0.17 @ 84 F			
SOURCE RMF:RMC CALC : CALC			
RM @ BHT 0.06 @ 178 F			
TIME SINCE CIRC. 5 HOURS			
TIME ON BOTTOM 19:40 08/11			
MAX. REC TEMP. 178 F @ TD			
EQUIP. : LOCATION 52546:VERNL			
RECORDED BY E. VOGEL			
WITNESSED BY J. HART			

FOLD HERE

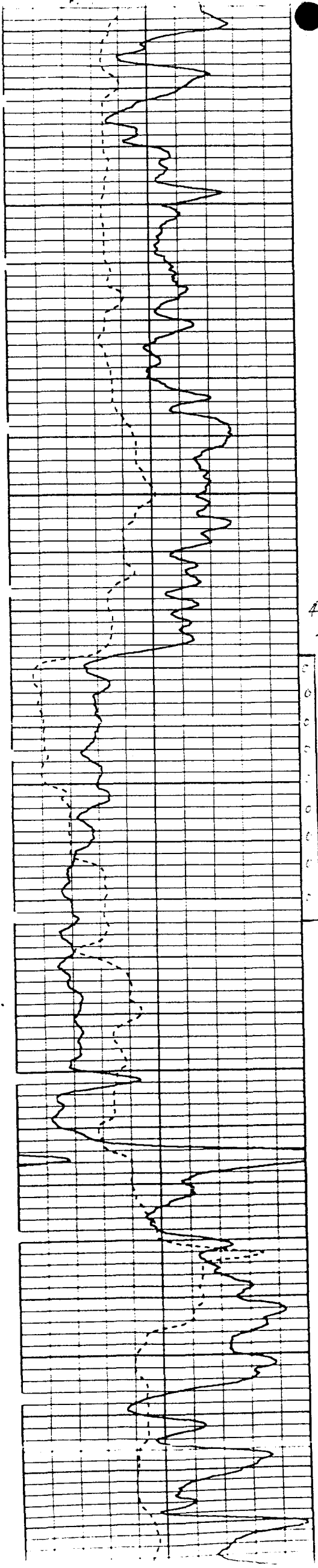
SERVICE TICKET NO.: 88111		API SERIAL NO.:		N/A		PGM VERSION: 2.22	
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLES		RESISTIVITY SCALE CHANGES					
DATE: SAMPLE NO.	/ /	TYPE LOG	DEPTH	SCALE UP	HOLE	SCALE DOWN	HOLE
DEPTH-DRILLER							
TYPE FLUID							
IN HOLE							
PH : FLUID LOSS							
SOURCE OF SAMPLE							
RM @ MEAS TEMP	@						
RMF @ MEAS TEMP	@						
RMC @ MEAS TEMP	@						
SOURCE: RMF:RMC	:						
RM @ BHT	@						
RMF @ BHT	@						
RMC @ BHT	@						

EQUIPMENT DATA		DENSITY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE	RUN NO.	ONE
SERIAL NO.	R108652	SERIAL NO.	G112379	SERIAL NO.	R10879
MODEL NO.	NGRT	MODEL NO.	SDLT	MODEL NO.	DSN II
DIAMETER	3.625	DIAMETER.	4.50	DIAMETER	3.625
DETECTOR MODEL NO.	W	LOG TYPE	GAM/GAM	LOG TYPE	NEU/NE
TYPE	SCINT	SOURCE TYPE	CS-137	SOURCE TYPE	AMBE24
LENGTH	4	SERIAL NO.	SDL-078	SERIAL NO.	DSN-15
DISTANCE TO SOURCE	10'	STRENGTH	1.5 CI	STRENGTH	18.5 C

LOGGING DATA		ACOUSTIC		DENSITY		NEUTRON	
GENERAL		GAMMA		SCALE		SCALE	
RUN NO.	ONE	RUN NO.	ONE	RUN NO.	ONE	RUN NO.	ONE
DEPTH	SPEED	SCALE	SCALE	SCALE	SCALE	SCALE	SCALE
FROM	TO	FT/MIN	L	R	MATRIX	L	R
ONE	6626	412	30	0	150	30%	-10%
					2.68	30%	-10%

REMARKS: TOOLS RUN IN TRIPLE COMBO  
CALIPER CLOSED TO GET OF BOTTOM, SOME DENSITY AND CALIPER DATA MISSING  
ANNUAL HOLE VOLUME CALCULATED FOR 4.5" CASING  
THANK YOU FOR USING HALLIBURTON LOGGING SERVICES

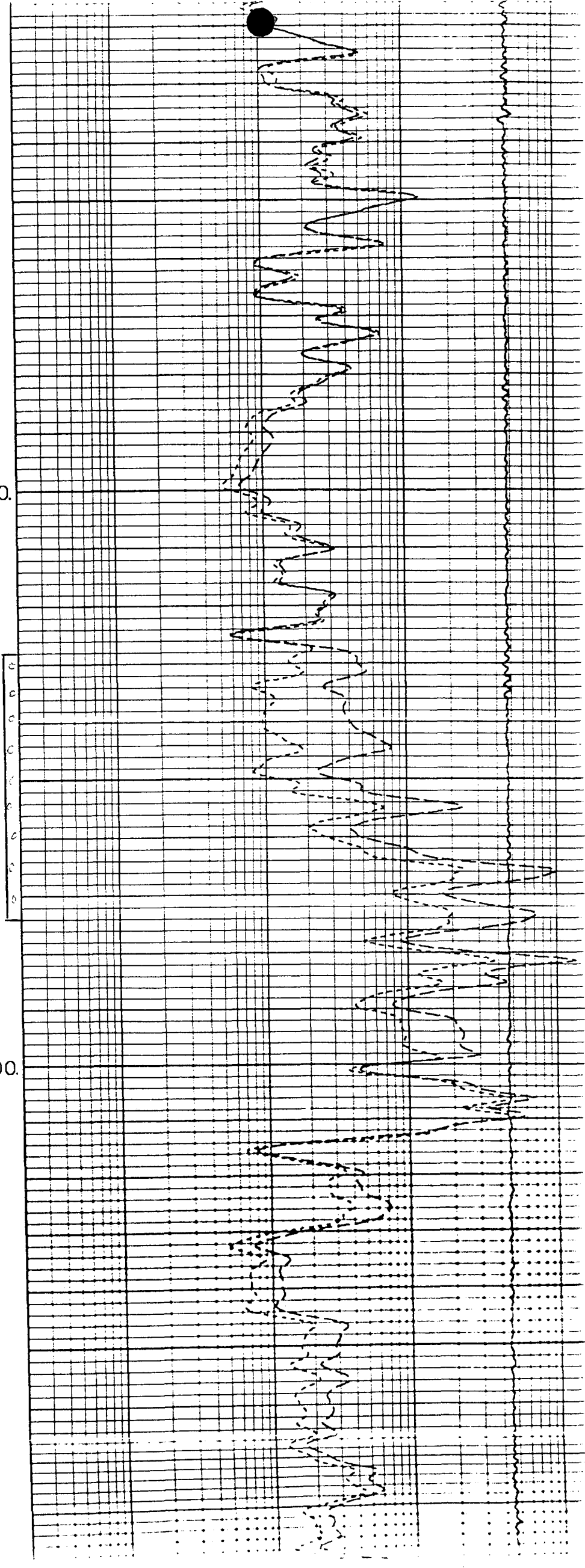




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4628' -  
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3 PGS

TO: DAN JARVIS

Re: Completion Procedure for  
FED. 1-26B RICE BEND

fax SOL: 359-3940

From: Dan Miller  
Pg 1 of 2

214 750-3880

fax: 3164



Don Moore  
Clark Clement  
Stan Goodrich  
Well File

Mike McMican  
Ava Hurst  
John Wingert  
Hal Hawthorne  
Andre Meyer

**RIVER BEND PROSPECT  
FEDERAL 1-26B  
Section 26, 9S, R19E, (NE/NE)  
Uintah County, Utah  
AFE# 92-1180**

December 7, 1992

*Lower GE  
P 75 BOPD*

**PURPOSE:**

THIS COMPLETION PROCEDURE IS TO TEST THE UPPER GREEN RIVER INTERVAL IN SUBJECT WELL.

**DISCUSSION:**

OFFSET WELL. 11-24 B IS CURRENTLY PRODUCING FROM THE UPPER GREEN RIVER INTERVAL AND IS PRODUCING P 450 BOPD/220 MCF/D. TESTING OF THE UPPER GREEN RIVER IN 1-26B WILL DETERMINE IF ADDITIONAL GREEN RIVER DEVELOPMENT IS JUSTIFIED IN THIS AREA.

THE UPPER GREEN RIVER IN 1-26B WILL BE PERFORATED AND FRACTURE-TREATED SIMILARLY TO WHAT WAS DONE IN THE LOWER GREEN RIVER OF THIS WELL AND THE UPPER GREEN RIVER IN OFFSET WELL 11-24B (BORATE GEL SYSTEM W/ 16/30 SD FOR PROPPANT).

**WELL DATA:**

KB = 4681'  
12-1/4" SURFACE HOLE; 7-7/8" PRODUCTION HOLE  
8-5/8" SURFACE CASING SET AT CS 397' (CMT'D TO SURFACE)  
4-1/2", 11.6#, N-80, LT&C NU CASING SET AT CS 6623';  
(CMT'D WITH 400 SACKS CLASS G + ADDITIVES & 1500 SACKS  
50/50 POZ + ADDITIVES)  
4-1/2" N-80 BURST P = 7780 PSI (80% = 6224 PSI)  
PBD EST. AT 6586'  
TD @ 6626' (BY LOG & DRILLER MEASURE)  
HOLE LOADED WITH 3% KCL WATER  
BHT = 178° F @ 6626' (FRM O-H LOG)

**LOGS RUN:**

HLS DUAL LATEROLOG & DSN/COMP. DENSITY BOTH  
DATED 8/11/92)

*CBL dated 8/29/92*

**RECOMMENDED PERF INTERVALS:**

**ZONE 1:** GREEN RIVER 4628'/74' 1 SPF (180° PHASING) TOTAL 47 HOLES

(ALL PERFS GIVEN BY H.L.S. DSN/COMP. DENSITY DATED 8/11/92)

**PROCEDURE:**

1. MIRU DD WELL SERVICE UNIT.
2. HAUL 5-400 BBL UPRIGHT STEAM CLEANED LINED FRAC TANKS TO LOC & LOAD W/ 3% KCL WATER W/ BIOCIDES & CLA-STA ADDITIVES; BE SURE CLEAN WATER IS BLENDED AND WATER XPORT TRUCKS ARE CLEAN.
3. POH W/ R&P.
4. POH W/ 2-3/8" TBG AND STAND BACK.
5. SCHL GIH W/ MILLER RBP ON WL & SET @ 4800'.
6. TST PLUG & CSG TO 5000 PSI FOR 15 MINUTES USING 3% KCL WATER.
7. INSTALL 5000 PSI TST DOUBLE BOP'S.
8. SCHL PERF THE FOLLOWING INTERVAL W/ 3-3/8" HC CSG GUN, .40 DIAM HOLE, 16 GM CHG, 16.27" TTP (BEREA):  
  
UPPER GREEN RIVER 4628'/74' 1 SPF (180° PHASING)  
TOTAL: 47 HOLES ~~TOTAL~~
9. STINGER INST. 10,000 PSI CSG SAVER.
10. RU HOMCO FLOWBACK MANIFOLD FROM WING VALVE ON TBG SPOOL THRU MANIFOLD TO STAKED DOWN LINE TO FLAT TANK OR RESERVE PIT.
11. RU DS TO TREAT PERFS 4628'/74' DOWN 4-1/2" CSG W/ 51,000 GALS OF YF-135 GEL (BORATE) & 169,000# 16/30 SD USING THE FOLLOWING PUMPING SCHEDULE:



## **ENGINEERING AND GEOLOGICAL REPORT**

### **PROPOSED WEST WILLOW CREEK UNIT UINTAH CO., UTAH**

#### **PROPOSAL**

PG&E Resources Company and CNG Producing Company as joint owners in the seven wells productive from the Green River formation in sections 24, 25, & 26 - T9S - R19E propose to form a unit for enhanced recovery by pressure maintenance. Six wells are proven productive from the oil leg of the reservoir and one well has penetrated the gas cap of the reservoir. The joint owners propose to re-inject casinghead gas produced from the oil wells into the well which is completed in the gas cap to maximize oil recovery. Continued production of two wells close to the gas-oil contact without unitization would result in early depletion of reservoir energy from the gas cap and reduce future oil recoveries from the pool.

#### **HISTORY**

The CNG Federal 7-25B well was completed in the Green River in November 1981 and has produced 31,800 barrels of oil from the lower portion of the Green River E(2) carbonate zone. In October 1992 PG&E Resources recompleted the 11-24B well to the same zone. Initial test rates were 300 to 400 BOPD flowing with a gas-oil ratio (GOR) around 350 scf/BBL. After a rod pump unit was installed on the 11-24B daily production averaged about 250 BOPD. Recompletion of the 1-26B in December 1992 revealed a gas cap when the well flowed at 2700 McfD with only about 2 BOPD. Two additional wells were drilled and completed in the reservoir during summer of 1993: the 3-25B and the 13-24B. These wells are in the oil column just below the gas-oil contact. When these wells showed steadily increasing GOR's with production depletion of the gas cap became a significant concern.

In October PG&ER and CNG agreed to shut in the main producing wells in the field until the extent of the field could be determined. If the reservoir proved to be large enough to justify a pressure maintenance project, the owners planned to begin working on the formation of a unit. In December 1993 PG&ER drilled and completed the 5-24B well which flowed at a maximum rate of 1575 BOPD on a 28/64" choke after treatment with 15% hydrochloric acid. In March 1994 the 5-24B and 11-24B wells were placed on production at the combined rate of 700 BOPD. The shut-in tubing pressures of the updip 13-24B and 1-26B wells and the GOR's of

the producing wells are being closely monitored for indications of pressure depletion.

The completion of the 5-24B well in December 1993 provided two important reasons for unitization:

- 1.) The proved area of the reservoir is now known to be large enough to contain sufficient oil in place to economically justify a secondary recovery project.

- 2.) The location and high productivity of the 5-24B provide an excellent withdrawal point far enough from the gas-oil contact to avoid premature gas breakthrough and cycling of the reinjected gas.

## **GEOLOGY**

The West Willow Creek Field is productive from a thick limestone interval within the Green River formation at a depth of about 4800'. The base of the zone is a tight limestone about 20 feet in thickness which can be identified in wells across several townships. Within the field the carbonate interval thickens to as much as 100 feet. The best porosity and permeability is developed in the uppermost 10 to 40 feet when the total zone thickness exceeds approximately 50 feet. The reservoir is in a stratigraphic trap with porosity development in a dolomitized ostracodal limestone buildup that was deposited in a near shore, shallow water lacustrine environment.

Net porosity (greater than 8%) thickness in the E(2) carbonate ranges from less than 5 feet at the eastern edge of the field to over 40 feet in the 1-26B well. Dry holes at the 7-24B and 9-23B locations define the limits of the field on the east and west. To the south the gas cap is limited within sections 25 and 26 by the thinning in the 7-25B well and a tight thin zone at the 13-26B location. A well is planned to be drilled in the southwest of section 13-T8S-R19E which will attempt to further define the field to the north of proven production.

The higher porosity and hence the majority of the oil and gas accumulation occurs at the top of the zone. The lowermost portion of the reservoir also is productive but with much lower permeability as evidenced by the performance of the 7-25B and 15-24B wells. These wells are capable of producing at rates of only about 10 barrels of per day as compared to rates over 200 barrels per day for the wells with the better developed porosity at the top of the zone. The high porosity and permeability upper portion of the reservoir appears to be continuous across the field by log correlation.

All the wells have been perforated opposite all the porous streaks indicated by open-hole logs; and in some of the wells (1-26B, 3-25B, 7-25B, 13-24B and 15-24B) hydraulic fracturing treatments have stimulated and connected the zone from top to bottom. The long productive life of the 7-25B well is also indicative of connections to a larger hydrocarbon source than can be seen in the lower 20 feet of the zone on well logs. So it is appropriate to include the thin edges of the reservoir in the participating area even though the economic contribution is minimal.

## **ECONOMIC JUSTIFICATION**

Formation of the proposed unit is required to prevent waste and to protect correlative rights. Since ownership is not uniform across the leases overlying the reservoir all the wells would have to be produced at competitive rates to capture their rightful share of the hydrocarbons. In a competitive (non-unitized) situation the 1-26B, 3-25B and 13-24B wells in particular would be producing and selling gas at a combined initial rate in excess of 4500 Mcf per day. This would result in depleting the gas cap within 2 to 3 years, thereby depriving the down-structure oil wells of 75% of their producing energy. The remaining recoverable oil would be produced at much lower rates and over a longer period of time than if the gas cap energy were conserved. Further economic waste would be incurred by the construction of two gas pipelines for the competing operators to market their respective gas production.

A gas compressor to reinject casinghead gas produced along with the oil from the four primary oil wells can be installed at a cost of about \$75,000. Monthly lease for a three stage gas compressor will be about \$17,500. An additional \$275,000 to be invested in gas gathering pipelines and metering equipment would be required whether the gas were to be sold immediately or reinjected and sold a few years later.

Projections of future well performance under competitive and unitized scenarios indicate that over 250,000 barrels of additional oil can be recovered by conserving the gas cap energy. This would be about one third greater total oil recovery from the reservoir. Actual results will depend on how rapidly the gas cap migrates down the structure to the producing oil wells. If the high gas mobility does not greatly override gravity effects, the oil recovery could be even better than estimated above.

## WEST WILLOW CREEK FIELD

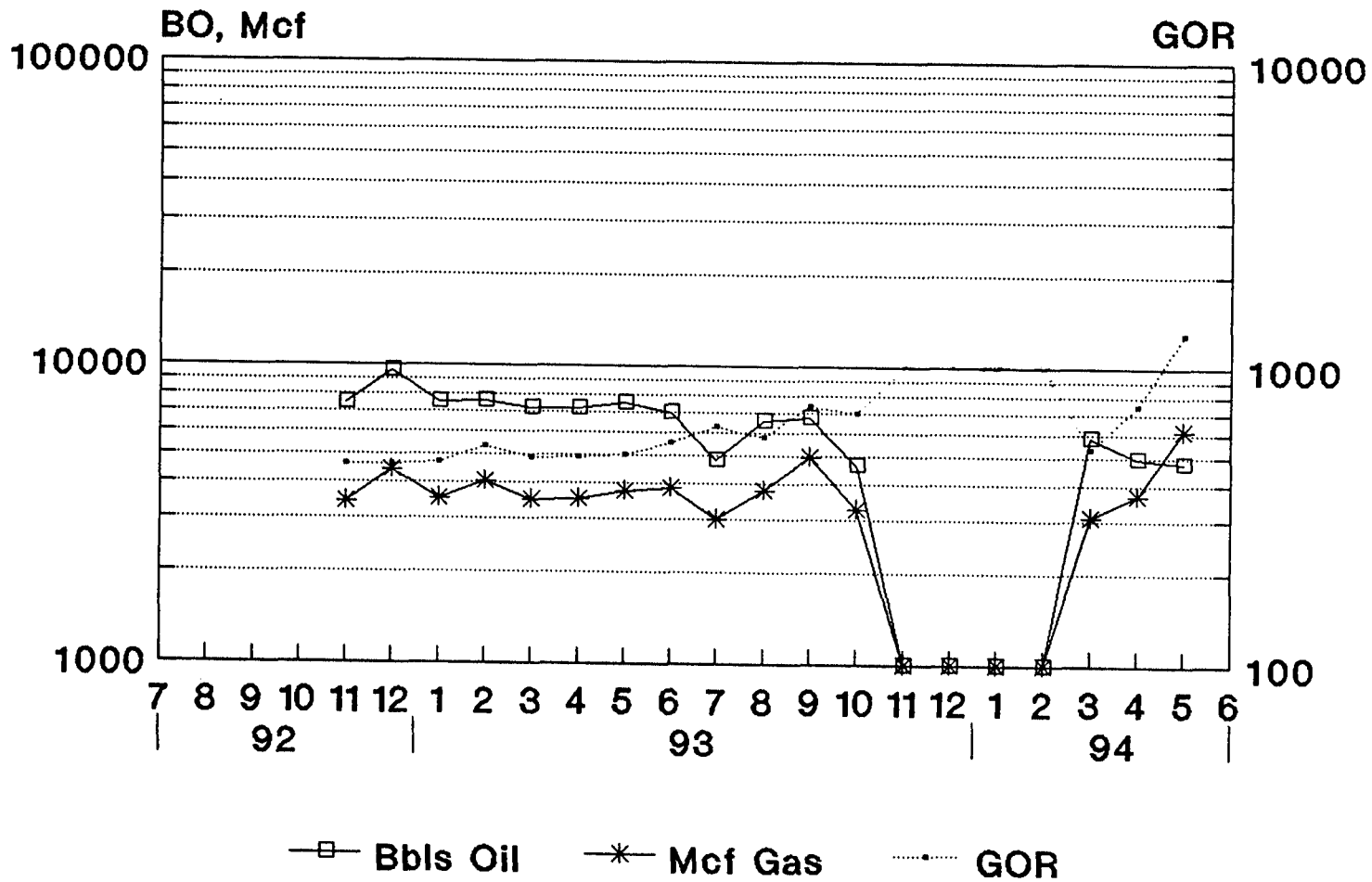
### WELL DATA SUMMARY

Wells Drilled	Completion Date	Cumulative Production *		Current Status
		Oil	Gas	
7-25B	Nov-81	31,891	12,000 ?	Pumping: 7 BOPD, Gas < 10 McfD
1-26B	12/15/93	54	17,800	Shut In
11-24B	10/24/92	99,168	58,400	Flowing: 180 BOPD + 250 McfD
3-25B	4/21/93	41,893	135,500	Shut In
7-24B	7/6/93	0	0	Abandoned
13-24B	7/7/93	17,969	110,000	Shut In
15-24B	8/13/93	4,569	1,830	Pumping: 10 BOPD, Gas < 10 McfD
9-23B	11/12/93	0	0	Abandoned
5-24B	12/14/93	47,543	13,100	Flowing: 500BOPD + 190 McfD
		=====	=====	
Total		243,087	348,630	

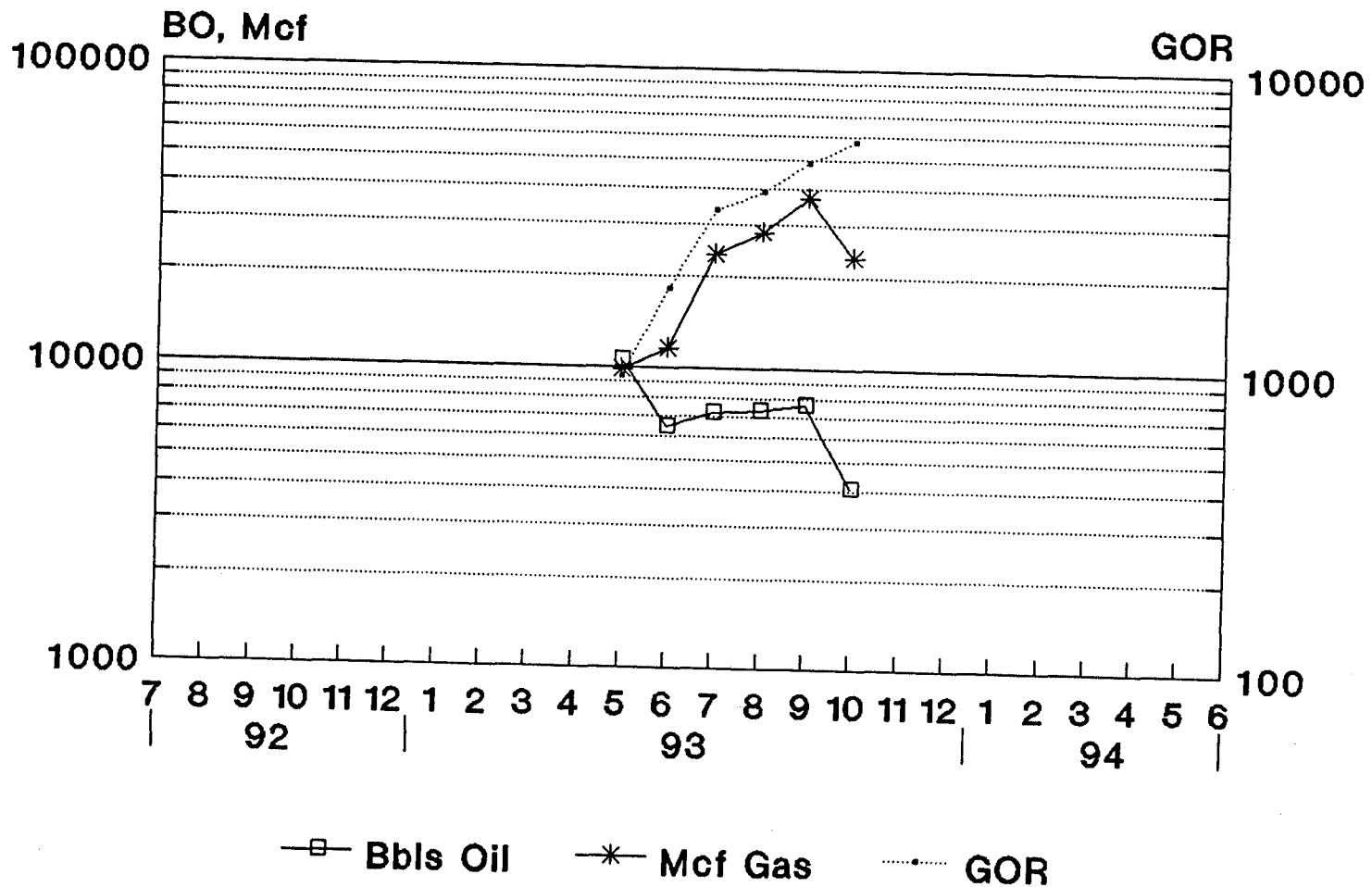
\* Estimated through June 1, 1994

Docket No. 94-016  
Cause No. 233-1  
Exhibit No. 7

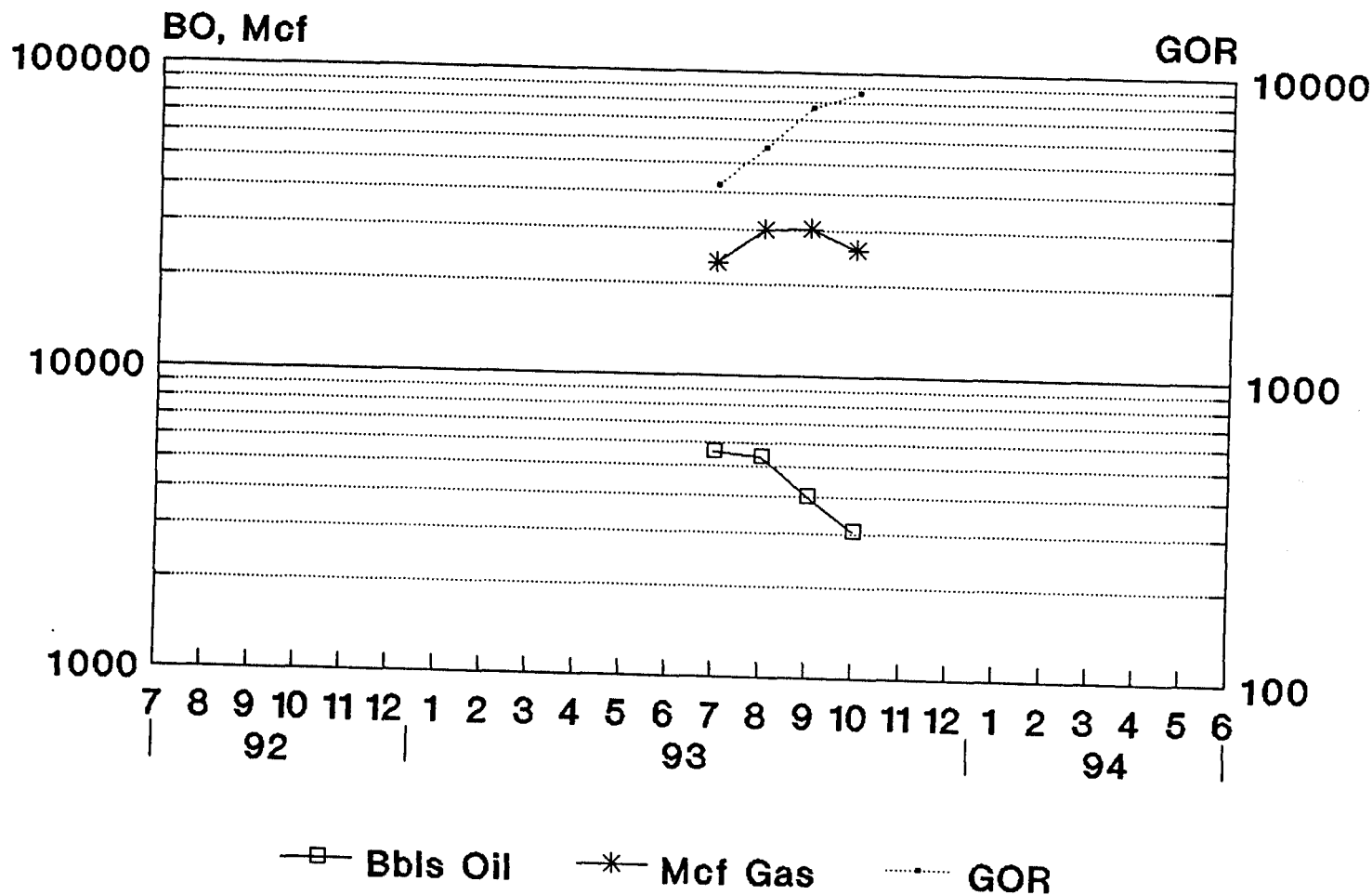
# W. Willow Creek Field Well 11-24B Monthly Production



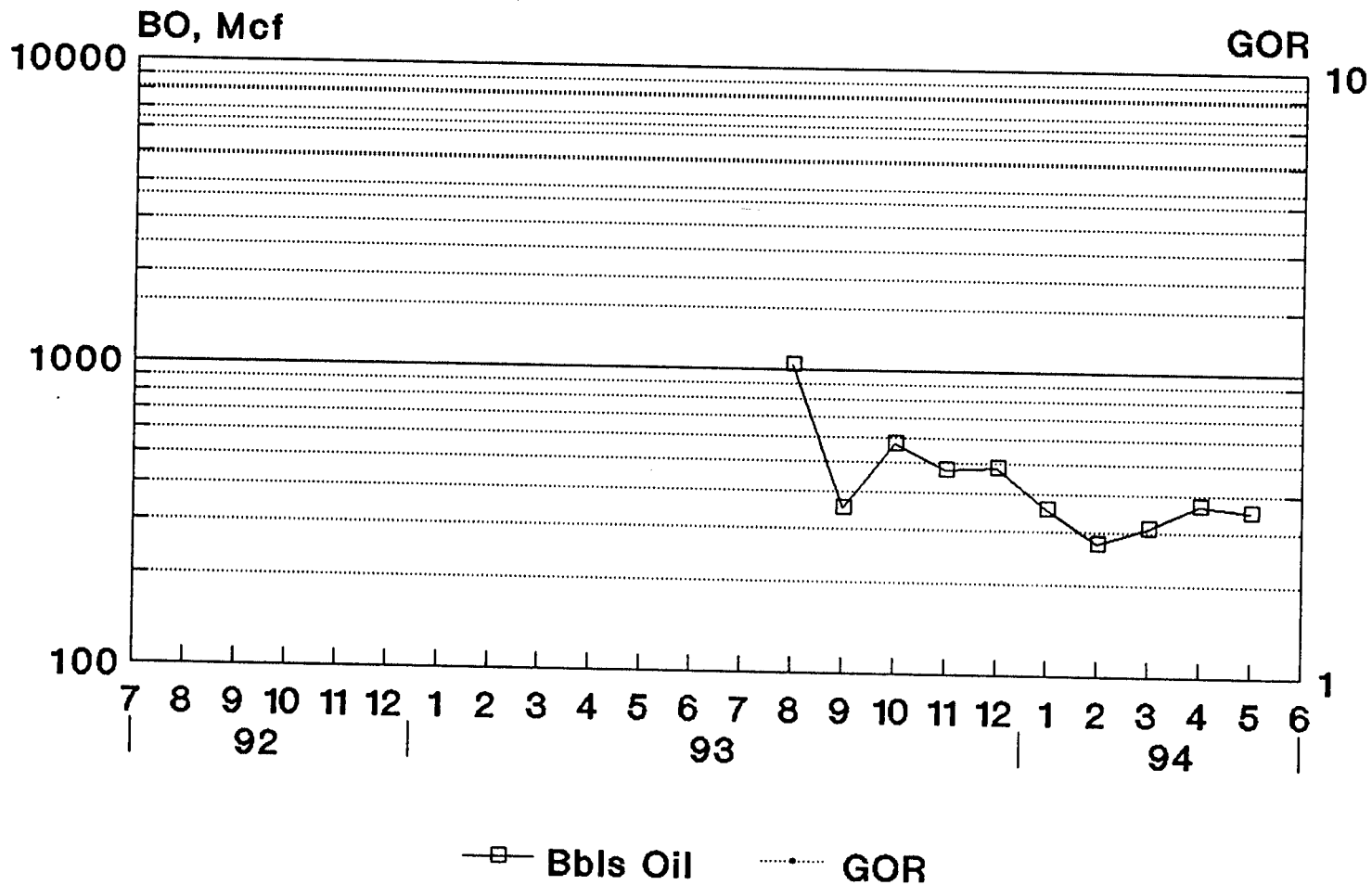
# W. Willow Creek Field Well 3-25B Monthly Production



# W. Willow Creek Field Well 13-24B Monthly Production

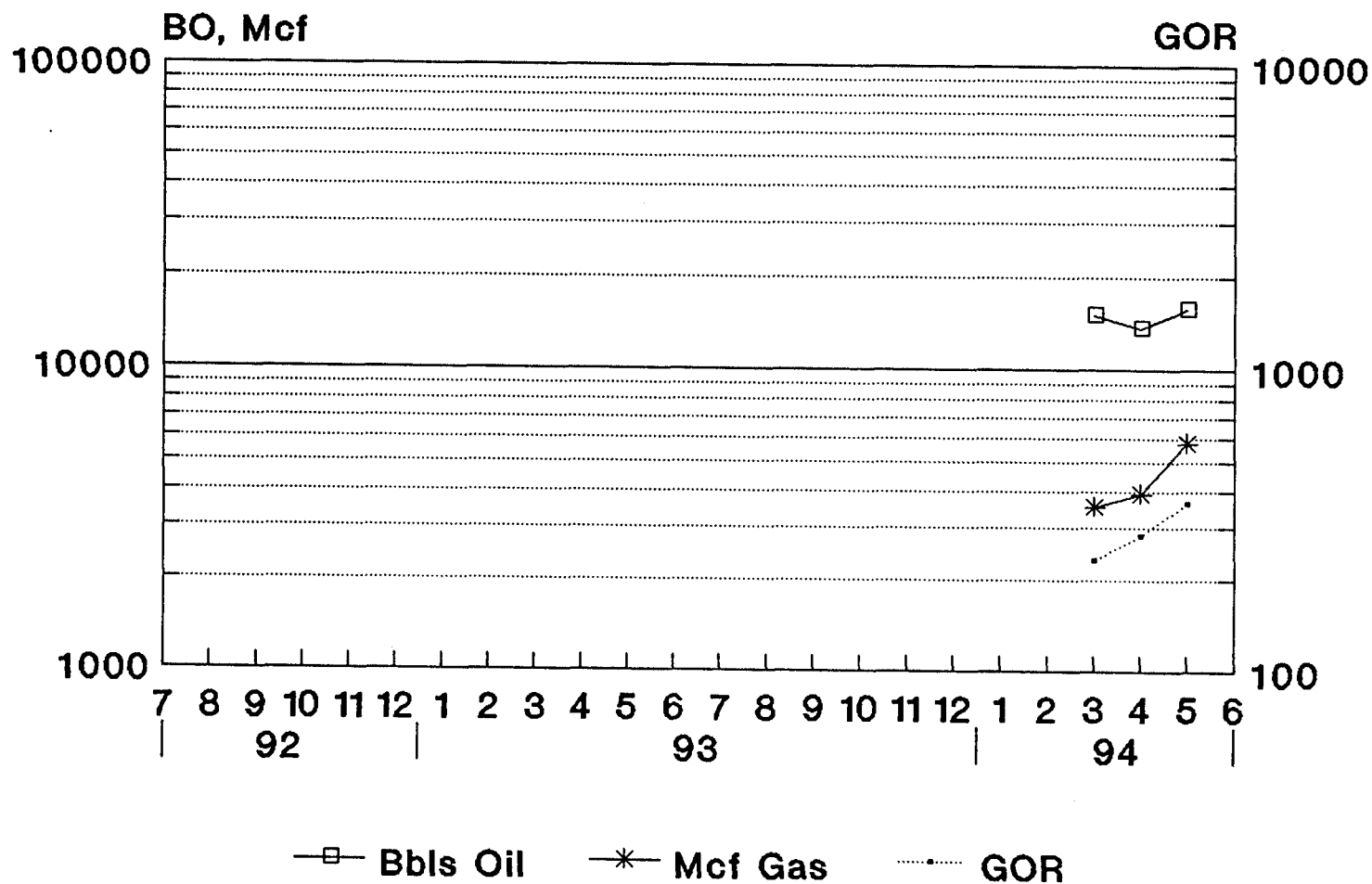


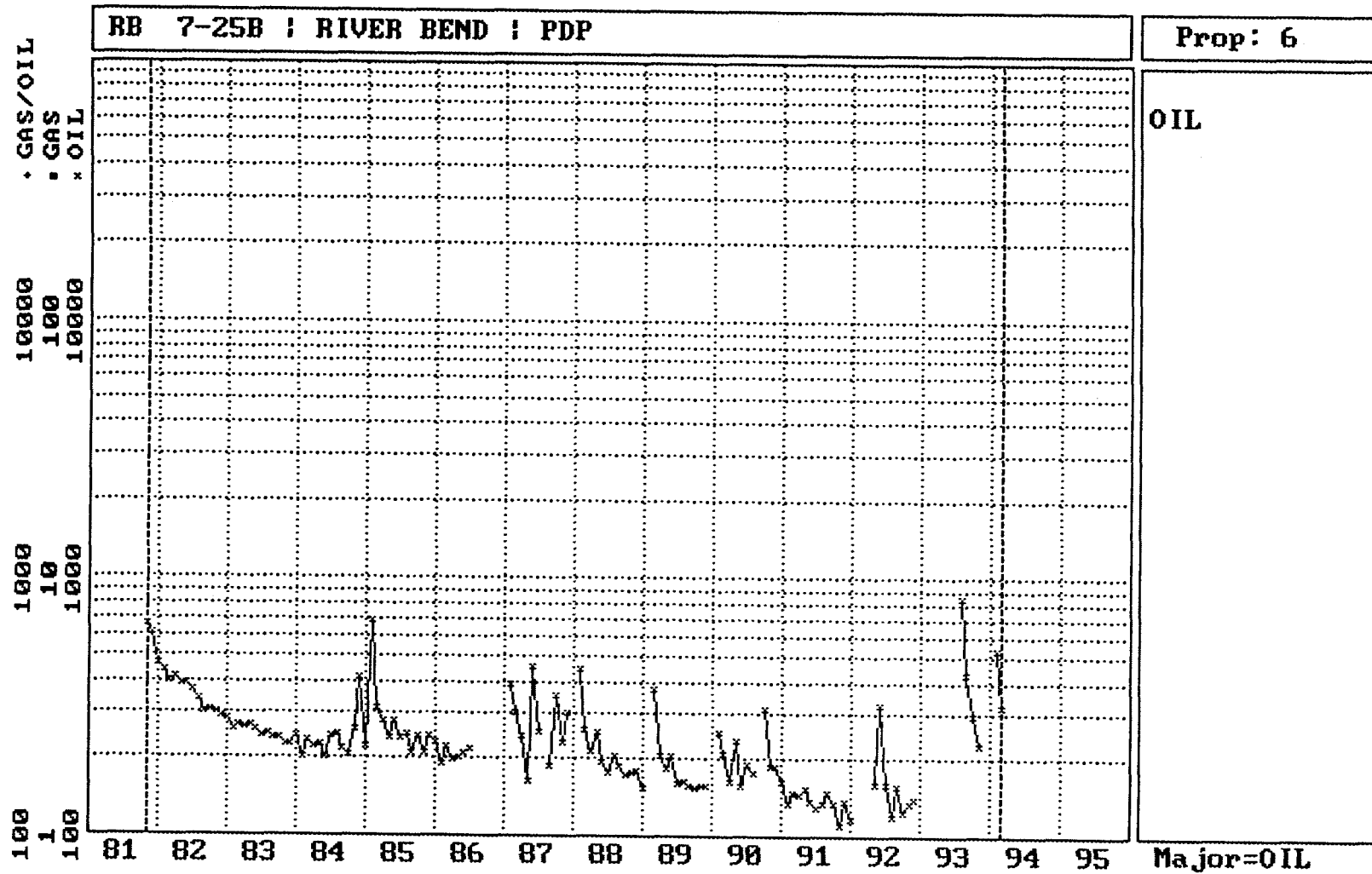
# W. Willow Creek Field Well 15-24B Monthly Production





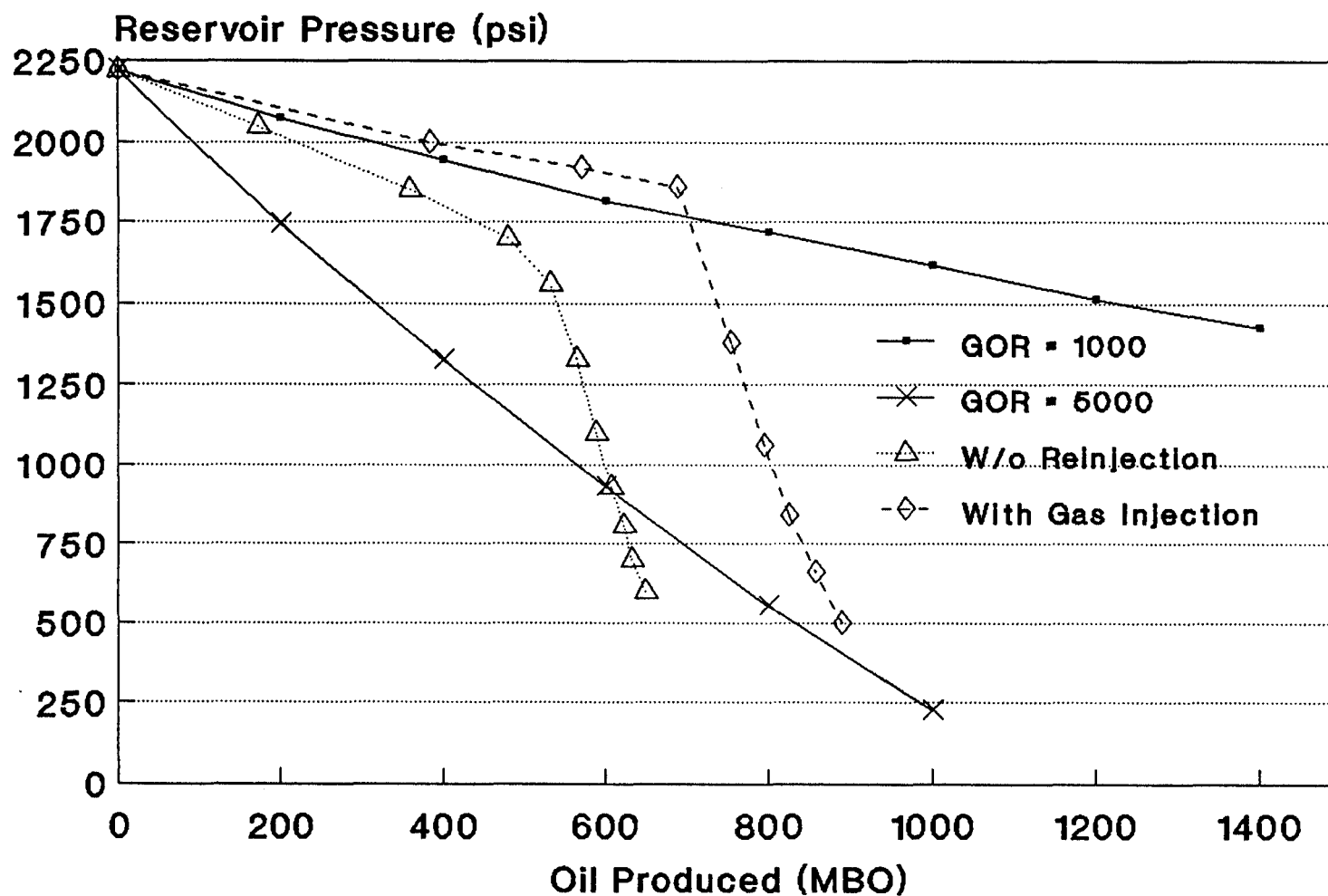
# W. Willow Creek Field Well 5-24B Monthly Production





# W. Willow Creek - Material Balance

## Reservoir Pressure vs. Cum. Production



OOIP = 8 MMBO, OGIP = 2.95 Bcf

Docket No. 94-016  
Cause No. 233-1  
Exhibit No. 9

## WEST WILLOW CREEK FIELD

### ECONOMIC BASIS FOR UNITIZATION

COST TO INSTALL GAS RE-INJECTION COMPRESSOR	\$75,000
---	----------

COST OF GAS GATHERING & METERING ( Required with or without unitization.)	\$275,000
--	-----------

COMPRESSOR LEASE & OPERATING COST (\$17.500/Mo. X 30 Months )	\$525,000
--	-----------

	=====
TOTAL INVESTMENT AND OPERATING COSTS =	\$875,000

MARKET VALUE OF ADDITIONAL OIL RECOVERED ( 250,000 Barrels x \$15/ Bbl. less State taxes and Royalties )	\$3,140,000
---	-------------

	=====
INCREMENTAL NET INCOME FOR PROJECT =	\$2,265,000

Docket No. 94-016  
Cause No. 233-1  
Exhibit No. 10

# INJECTION PERMIT TRACKING RECORD

Company: PGE Resources Well: 1-26B

Location: Sec. 26 Twn: 9S Rng: 19E QtQt: NE NE

County: Vintah Field: West Willow Creek Unit: Willow Creek

API No.: 43-047-32248

Date Received: 6/3/94

Cause Number: 233-1

Notice Date: 6/8/94

Conversion Approval: \_\_\_\_\_

Permit Issued: \_\_\_\_\_

Commencement: \_\_\_\_\_

Drilled: Yes

Code: E (gas Injection)

Hearing Date: 6/22/94

Wells In AOR: 1 Producing

June 9, 1994

TO: The Director  
Bureau of Land Management  
Washington, D.C. 20025

THROUGH: Mr. Robert A. Henricks  
Chief, Branch of Fluid Minerals  
Bureau of Land Management  
324 South State Street  
Salt Lake City, Utah 84111

Re: Application for Designation of Proposed Unit Area and  
Determination of Depth of Test Well for the  
**West Willow Creek Unit Area,**  
Uintah County, Utah

Dear Sir:

Attached hereto is a map, marked Exhibit "A", on which the proposed West Willow Creek Unit is outlined. We request that 2,932.08 acres, more or less, of Federal and Patented lands within the outline be designated as a logical Unit Area pursuant to the unitization provisions of the Mineral Leasing Act, as amended. The proposed Unit Area of 2,932.08 acres, more or less, is composed of 2,547.58 (86.89%) Federal Lands, and 384.50 acres (13.11%) Patented Lands.

For the lands within the proposed Unit Area, we refer you to the attached Exhibit "A", which shows, in addition to the proposed Unit boundary, the boundaries and identity of the various tracts and leases in the proposed Unit Area to the extent of our present knowledge. The serial numbers of all Federal leases within the proposed Unit are listed on Exhibit "B", hereto attached.

PG&E Resources Company anticipates submitting, at a later date, a standard form Unit Agreement for unproven areas (43 CFR 3186.1, as revised June, 1988, amended December, 1992) ) which will deviate from the standard form as follows:

1. Insert as a new Section 9 the following:

Initial Participating Area. Effective as of the effective date of this agreement, an initial participating area for the Green River Formation shall be established. Said participating area may be expanded in accordance with Section 11 of this agreement whenever unitized substances shall be discovered which can be produced in paying quantities (to-wit: quantities sufficient to repay the costs of drilling, completing and producing operations, with a reasonable profit).

2. Modify the first sentence to Section 10 to read as follows:

"Within 6 months after the effective date of this agreement, the Unit Operator shall submit for approval of the AO an acceptable plan of development and operation for the unitized land which, when approved by the AO, shall constitute the further drilling and/or development obligations of the Unit Operator under this agreement for the period specified therein."

3. Insert as a new Section 20 the following:

**20. EFFECTIVE DATE.** This Agreement shall become binding upon each party who executes or ratifies it as of the date of execution or ratification by such party and shall become effective as of 7:00 a.m. on the first day of the calendar month next following the approval of this Agreement by the Secretary of the Interior or his duly authorized delegate.

The term of this agreement shall be for and during the time that unitized substances can be produced in quantities sufficient to pay for the cost of producing same from the wells on unitized land and for as long thereafter as drilling, reworking or other operations are prosecuted on Unitized Land without cessation of more than sixty (60) consecutive days, and so long thereafter as Unitized substances can be produced as aforesaid, unless sooner terminated by the AO as provided in Section 6, Successor Unit Operator". This agreement may be terminated at any time by not less than 75 percentum, on an acreage basis, of the working interest owners signatory hereto, with the approval of the AO. The Unit Operator shall give notice of any such approval to all parties hereto.


West Willow Creek Unit Area  
Page 3

To the best of our knowledge, there are no Federal lands within the proposed Unit Area requiring the inclusion of special provisions in the Unit Agreement other than those set forth above.

In support of this Application, we are submitting separately, in duplicate, a geological report with a map showing the geologic conditions within the proposed Unit Area. It is requested that this information be held confidential. Please transmit all correspondence regarding this Application to the undersigned.

Sincerely,

**PG&E RESOURCES COMPANY**

  
Paul S. Conner, Agent

/pc  
Enclosures

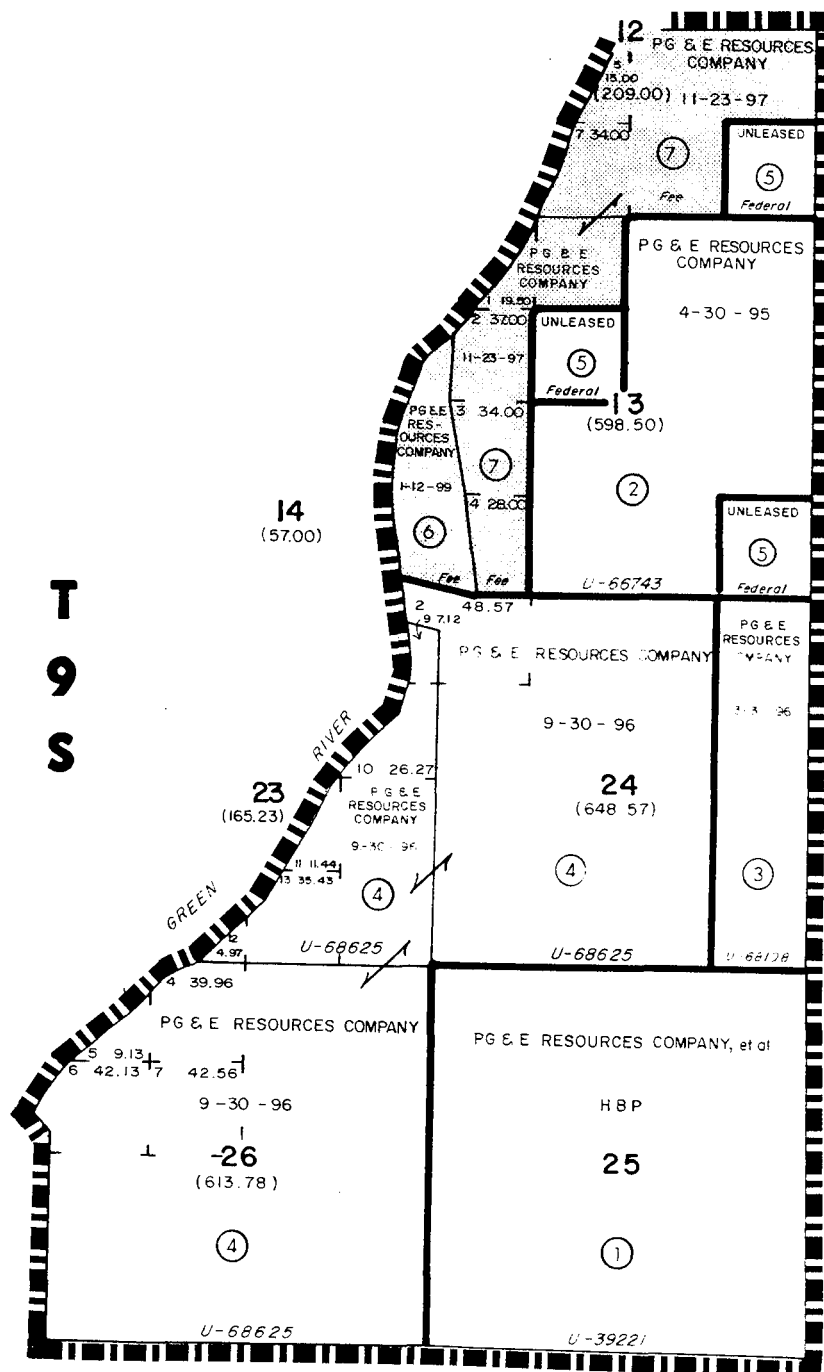


EXHIBIT "B"  
AREA AND DEPTH APPLICATION  
WEST WILLOW CREEK UNIT AREA  
UINTAH COUNTY, UTAH

<u>TRACT NUMBER</u>	<u>FEDERAL SERIAL NUMBER</u>	<u>EXPIRATION</u>
1	U-39221	HBP
2	U-66743	HBP
3	U-68108	03-31-96
4	U-68625	09-30-96
5	UNLEASED	

R 19 E

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S



FEDERAL LANDS  
PATENTED LANDS

ACREAGE

2,547.58  
384.50

PERCENTAGE

86.89 %  
13.11 %

TOTAL

2,932.08

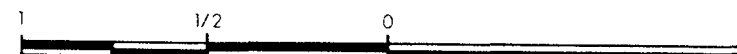
100.00 %

③

TRACT NUMBER



UNIT OUTLINE



SCALE IN MILES

NOTE: UNLESS OTHERWISE INDICATED, THE VARIOUS SECTIONS ON THIS PLAT CONTAIN 640.00 ACRES.

Exhibit "A"

WEST WILLOW CREEK UNIT AREA

UINTAH COUNTY, UTAH

P G & E RESOURCES COMPANY

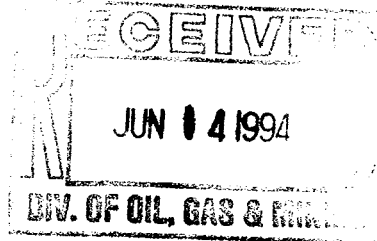
DALLAS, TEXAS

Bureau of Land Management  
Branch of Fluid Minerals  
324 South State, Suite 301  
Salt Lake City, Utah 84111-2303

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✓ GLH	
1 DJJ	
✓ BGE	
COMMIT	
MECH	
FD	

June 13, 1994

PG&E Resources Company  
c/o UnitSource Incorporated  
1050 - 17th Street, Suite 705  
Denver, Colorado 80265



Gentlemen:

Your application of June 9, 1994, filed with the Chief, Branch of Fluid Minerals, Bureau of Land Management, Salt Lake City, Utah, requests the designation of 2,932.08 acres, more or less, in Uintah County, Utah, as logically subject to exploration and development under unitization provisions of the Mineral Leasing Act, as amended.

Pursuant to unit plan regulations (43 CFR 3180) the land requested, as outlined on your plat marked "Exhibit 'A', West Willow Creek Unit Area" Contract No. UTU73218X is hereby designated as a logical unit area. Your proposed use of the Form of Agreement for Unproved Areas, will be accepted.

If conditions are such that further modification of said standard form is deemed necessary, two copies of the proposed modifications, with appropriate justification, must be submitted to this office for preliminary approval.

In the absence of any other type of land requiring special provisions, or of any objections not now apparent, a duly executed agreement, identical with said form, modified as outlined above, will be approved if submitted in approvable status within a reasonable period of time; not to exceed one year. However, notice is hereby given that the right is reserved to deny approval of any executed agreement submitted which, in our opinion, does not have the full commitment of sufficient lands to afford effective control of operations in the unit area.

To ensure the timely handling of units submitted for final approval, proponent must show 100 percent commitment of all lessees of record, basic royalty owners and working interest owners, or evidence that every such owner of interest in the unit has been given an opportunity to join the unit agreement.

If any owner fails or refused to join, evidence of reasonable effort to obtain a joinder should be submitted, together with a copy of each refusal by an operator giving the reasons for nonjoinder. If a refusal letter cannot be obtained, the unit proponent should provide a written record of the attempts made to obtain joinder.

When the executed agreement is transmitted to the Chief, Branch of Fluid Minerals for approval, include the latest status of all acreage. In preparation of Exhibits "A" and "B", please follow the format of the models shown in 43 CFR 3186.1 and 3186.1-1.

Inasmuch as this unit contains State of Utah lands, we are sending a copy of this letter to the State Land Board of Land Commissioners at Salt Lake City, Utah and we are hereby requesting you to contact said board promptly in connection with this letter before soliciting joinders.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

bcc: Division of Oil, Gas and Mining w/enclosure  
State Board of Land Commissioners  
District Manager - Vernal w/enclosure  
File - West Willow Creek Unit w/enclosure  
Agr. Sec. Chron  
Fluid Chron

U-922:TAThompson:tt: 06/13/1994

**H. AFFIDAVIT OF NOTIFICATION**

To whom it may concern:

I, Jim LaFevers, hereby attest that copies of the UIC Form 1 application for the Federal 1-26B were mailed to the following on June 2, 1994.

**OFFSET OPERATORS:**

PG&E Resources Company  
6688 N. Central Expwy., Suite 1000  
Dallas, TX 75206

**INTEREST OWNERS:**

CNG Producing Company  
The CNG Tower  
1450 Poydras St.  
New Orleans, LA 70112-6000

PG&E Resources Company  
6688 N. Central Expwy., Suite 1000  
Dallas, TX 75206

**SURFACE OWNERS:**

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

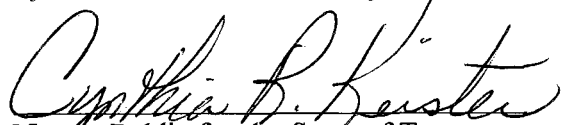
  
\_\_\_\_\_  
Jim LaFevers  
Supervisor Regulatory Affairs

STATE OF TEXAS     )

COUNTY OF DALLAS   )

SUBSCRIBED in my presence and duly sworn to me this 14th day of June, 1994.



  
\_\_\_\_\_  
Notary Public for the State of Texas

My Commission expires 04-12-95

**H. AFFIDAVIT OF NOTIFICATION**

To whom it may concern:

I, Jim LaFevers, hereby attest that copies of the UIC Form 1 application for the Federal 1-26B were mailed to the following on June 2, 1994.

**OFFSET OPERATORS:**

PG&E Resources Company  
6688 N. Central Expwy., Suite 1000  
Dallas, TX 75206


**INTEREST OWNERS:**

CNG Producing Company  
The CNG Tower  
1450 Poydras St.  
New Orleans, LA 70112-6000

PG&E Resources Company  
6688 N. Central Expwy., Suite 1000  
Dallas, TX 75206

**SURFACE OWNERS:**

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078



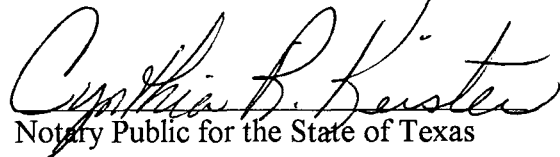
Jim LaFevers  
Supervisor Regulatory Affairs

STATE OF TEXAS     )

COUNTY OF DALLAS   )

SUBSCRIBED in my presence and duly sworn to me this 14th day of June, 1994.



  
Notary Public for the State of Texas

Alan A. Enke (A-0998)  
RAY, QUINNEY & NEBEKER  
400 Deseret Building  
79 South Main Street  
P.O. Box 45385  
Salt Lake City, Utah 84145-0385  
801-532-1500

FILED

MAY 10 1994

SECRETARY, BOARD OF  
OIL, GAS & MINING

BEFORE THE BOARD OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH

-----oo0oo-----

In the matter of the Request :  
for Agency Action of PG&E  
Resources Company for an Order :  
establishing a gas injection  
participation area within an :  
exploration unit for the  
secondary recovery of :  
oil from the Green River  
Formation in a portion of :  
Sections 23, 24, 25 and 26 of  
Township 9 South, Range 19 East :  
Duchesne County, Utah

Docket No. 94-  
Cause No. 733-1

REQUEST FOR  
AGENCY ACTION

-----oo0oo-----

Applicant, PG&E Resources Company ("PG&E"), duly authorized to do business in the State of Utah, hereby submits this Request for Agency Action for an Order establishing a gas injection participating area within an exploration unit for the secondary recovery of oil from the Green River Formation in a portion of Sections 23, 24, 25 and 26 of Township 9 South, Range 19 East, Duchesne County, Utah, and approving the conversion of the 1-26B Well, located in the NE $\frac{1}{4}$ NE $\frac{1}{4}$  of Section 26, Township 9 South, Range 19 East, from a producing gas well into a gas injection well. It is anticipated that the majority of the recovery will be from the E<sub>2</sub> Carbonate zone of the Green River

Formation (the "Formation"). In conferences with Bureau of Land Management officials and with Oil, Gas and Mining officials, it was determined that the an exploration unit should be formed covering lands surrounding the secondary recovery area, and that the injection and producing wells would be part of a primary participating area within the unit. The exploration unit will be known as the West Willow Creek Unit and will cover the following tracts of land ("Unit Area"):

Township 9 South, Range 19 East, S.L.B. & M.

Section 12: Lots 5 & 7, SE $\frac{1}{4}$   
Section 13: Lots 1, 2, 3 & 4, SE $\frac{1}{4}$ NE $\frac{1}{4}$ , E $\frac{1}{2}$ SW $\frac{1}{4}$ , E $\frac{1}{2}$   
Section 23: Lots 9, 10, 11, 12 & 13, E $\frac{1}{2}$ SE $\frac{1}{4}$   
Section 24: Lot 2, SW $\frac{1}{4}$ NW $\frac{1}{4}$ , E $\frac{1}{2}$ NW $\frac{1}{4}$ , SW $\frac{1}{4}$ , E $\frac{1}{2}$   
Section 25: All  
Section 26: Lots 4, 5, 6 & 7, SW $\frac{1}{4}$ , E $\frac{1}{2}$

The primary participating area will cover production from wells located on the following tracts of land ("PA"):

Township 9 South, Range 19 East, S.L.B. & M.

Section 23: Lots 12 & 13, SE $\frac{1}{4}$ SE $\frac{1}{4}$   
Section 24: East 40 acres of Lot 2, SW $\frac{1}{4}$ NW $\frac{1}{4}$ , E $\frac{1}{2}$ NW $\frac{1}{4}$ , SW $\frac{1}{4}$ , W $\frac{1}{2}$ SE $\frac{1}{4}$ , SE $\frac{1}{4}$ SE $\frac{1}{4}$   
Section 25: NW $\frac{1}{4}$ , N $\frac{1}{2}$ NE $\frac{1}{4}$ , SW $\frac{1}{4}$ NE $\frac{1}{4}$ , N $\frac{1}{2}$ SW $\frac{1}{4}$ , NW $\frac{1}{4}$ SE $\frac{1}{4}$   
Section 26: Lots 4 & 7, NE $\frac{1}{4}$ , NE $\frac{1}{4}$ SW $\frac{1}{4}$ , N $\frac{1}{2}$ SE $\frac{1}{4}$

In support of said Request for Agency Action, PG&E submits the following:

1. PG&E is the operator of six oil wells and one gas well which have been drilled in the various 40 acre locations in within the PA. CNG Producing Company ("CNG") is the other joint interest owner in all of the wells in question.

2. One of the wells, the 1-26B, revealed a gas cap when the well flowed at 2700 McfD of gas with only 2 BOPD. Other



wells in the PA have shown steadily increasing ratios of gas production to oil production so that depletion of the gas cap has become a significant concern. Continued production of wells close to the gas-oil contact without unitization would result in depletion of reservoir energy from the gas cap and reduce future oil recoveries from the pool. In October, PG&E and CNG agreed to shut in the main producing wells in the field until the extent of the field could be determined.

3. Based on information obtained from the drilling and production of the wells in the PA, PG&E believes that in order to prevent waste, to obtain a greater recovery of oil from the PA, and to protect the correlative rights of the owners in the PA and owners of interests in the Unit Area, the Board should grant the application for the establishment of the PA within the Unit Area to allow the use of casinghead gas for secondary recovery, and to allow the conversion of the 1-26B Well into an injection well for this purpose.

4. The Board has jurisdiction of operations for secondary recovery pursuant to §40-6-5, Utah Code Annotated, 1953 as amended.

5. The names and addresses of all parties owning or claiming an interest in the PA and in the Unit Area, are set forth in Exhibit A attached hereto.

WHEREFORE, Applicant prays for relief as follows:

1. For a hearing before the Board on the next regularly scheduled hearing date of the Board to consider the

application for the establishment of the West Willow Creek exploration unit and the creation of a participating area within the West Willow Creek Unit to allow secondary recovery of oil from the Formation under the Unit Area by the use of injected casinghead gas;

2. For a final order (i) establishing the West Willow Creek Unit exploration unit and creating a participating area within the West Willow Creek Unit for secondary recovery of oil from the Formation located in Sections 23, 24, 25 and 26 of Township 9 South, Range 19 East, S.L.B. & M., Duchesne County, Utah by the use of injected casinghead gas; and (ii) finding that the action taken by the Board is in the public interest in that it promotes conservation, increases ultimate recovery, prevents waste, and protects the correlative rights of all parties having an interest in the PA and in the unit area; and,

3. For such other and further action as the Board of Oil, Gas and Mining deems appropriate.

DATED this 10th day of May, 1994.

RAY, QUINNEY & NEBEKER



---

Alan A. Enke  
Attorneys for Applicant  
PG&E Resources Company

PG&E RESOURCES COMPANY  
6688 N. Central Expressway, Suite 1000  
Dallas, Texas 75206-3922  
214-750-3800

EXHIBIT "A"

LIST OF PARTIES IN INTEREST

CNG Producing Co.  
The CNG Tower  
1450 Poydras Street  
New Orleans, La. 70112-6000

Andover Partners  
c/o M.J. August  
1001 Fannin, Suite 2000  
Houston, TX 77002

Chorney Oil Company  
555 Seventeenth Street, Suite 1000  
Denver, CO 80202

Maurice W. Brown  
300 South Greeley Highway  
Cheyenne, WY 82001

Lancaster Corporation  
P.O. Box 8439  
Denver, CO 80201

Alice A. Sheverbush  
P.O. Box 3377  
Cheyenne, WY 82001

Dorothy M. Norseth, Trustee  
Dorothy M. Norseth Family Trust  
#60 Ogden Canyon  
Ogden, Utah 84401

Merle G. Hyer Company, Inc.  
1610 South Main Street  
Lewiston, Utah 84320

**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM**

**PERMIT  
DECISION DOCUMENT**

**Applicant:** PG&E Resources      **Well:** Injection Well 1-26 B

**Location:** West Willow Creek Unit, Uintah County

**Ownership Issues:** The proposed well is located in section 26, township 9 south, range 19 east, Uintah, County, Utah. The surface and minerals within a 1/2 mile of the well is owned by the federal government. PG&E has provided an affidavit stating that all interested parties have been notified of their intent to convert the well to injection.

**Well Integrity:** The well proposed for injection is the Federal 1-26B. The well has an 8 5/8" surface casing at 397 feet and cemented to surface. A 4 1/2" longstring is set at 6621 feet and is cemented to 1870 feet and was verified by a cement bond log. The injection interval is from 4628-4674 feet (Green River Formation). A 2 7/8" tubing will be set in a packer no higher than 50 feet above the perforations. This construction should adequately protect all USDW's. There is 1 producing well in the 1/2 mile area of review. This well has sufficient cement behind the longstring and has adequate surface casing to prevent any migration of fluid up the hole. A casing test should be performed at the time of conversion and a casing/tubing pressure test should be performed prior to injection.

**Ground Water Protection:** The base of moderately saline water is at a depth of approximately 1166 feet located in the Uinta Formation in the area of the project. Any shallow fresh water zones will be adequately protected by existing constructions. A maximum injection pressure of 2500 psi (surface pressure) was requested. The average fracture gradient for the field is .74 psi/ft.. A maximum rate of 3000 mcf was requested. No corrective action is needed on the well in the area of review.

**Oil/Gas & Other Mineral Resources Protection:** The proposed project (West Willow Creek Unit) will be heard before the board on June 22, 1994. It is proposed to form an exploratory unit and participating area. CNG Producing Company is joint partner and is in agreement with PG&E resources. Review of information submitted by PG&E indicates that the injection of gas into the gas cap will maximize recovery. Unit information and additional technical data will be presented at the hearing. Staff review of the information provided supports the approval of the project. Injection into this well should have no adverse affects on any offsetting production and should effectively prevent early depletion of the reservoir.

**Bonding:** The well is located on Federal lands and bonds are held by the BLM.

**Actions Taken and Further Approvals Needed:** A public notice for the hearing for the project including the 1-26B injection well was published in both the Salt Lake Tribune and the Vernal Express. Approval can be granted for the injection well at the time an order is issued establishing the unit. An MIT needs to be conducted prior to injection.

DJJ  
Reviewers

06-21-94  
Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well



Oil  
Well



Gas  
Well



Other

2. Name of Operator

PG&E Resources Company

3. Address and Telephone No.

6688 N. Central Expwy., Suite 1000, Dallas, TX 75206

214/750-3800

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

800' FNL & 712' FEL NE/4 NE/4 Section 26, T9S-R19E

5. Lease Designation and Serial No.

UTU-68625

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

Federal 1-26B

9. API Well No.

43-047-32248

10. Field and Pool, or Exploratory Area

Undesignated 002

11. County or Parish, State

Uintah County, Utah

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**



Notice of Intent



Subsequent Report



Final Abandonment

**TYPE OF ACTION**



Abandonment



Recompletion



Plugging Back



Casing Repair



Altering Casing



Other Perforate



Change of Plans



New Construction



Non-Routine Fracturing



Water Shut-Off



Conversion to Injection



Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log from.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

PG&E Resources Company completed the workover on the Federal 1-26B as shown on the attached daily report.

14. I hereby certify that the foregoing is true and correct

Signed

*Cindy D. Keiser*

Title

Sr. Regulatory Analyst

Date

06/02/1994

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

## WELL HISTORY

### RB 1-26B Federal

Uintah Co., Utah

- 07-20-92 Set & cmtd 397' of 8-5/8" 24# J-55. Cmt to surf. FINAL REPORT UNTIL RIG MOVES ON LOCATION.
- 07-27-92 Drlg cmt @ 361', MW 8.5, Visc 27. Fin RU, tst BOP's, PU DC & tag cmt @ 361'. CC \$26,400.
- 12-11-92 MI & RU Western Rig #12. RD pmping unit, hot wtr tbg w/40 bbl 3% KCL wtr treated w/biocide & clay STA (250° F). POOH 3/4" rods & pmp flush w/40 bbl treated wtr. ND tbg head, rig to pull tbg. SDFN.
- 12-12-92 RU BOP's; flush annulus w/50 bbl hot trtd KCL wtr; POOH w/2-3/8" tbg & tbg anchor.
- 12-13-92 RU OWP; ran GR/corr. og. Ran WL-set mod WSR RBP & set @ 4800'; put 1 sx sd (11') on top of BP stringer; tstd csg & plug to 5000 psi for 15 min, OK. Moving in frac tks & wtr prep for frac on 12-15-92.
- 12-14-92 RU Schl.; attempted to GIH w/3-3/8" csg gun, could not get below 1500'; POOH w/gun; RIH w/csg scraper on 2-3/8" tbg c/o to PBD (RBP) circ hole w/hot KCL wtr. WIH w/3-3/8" csg gun & perf Upper Green River 4628'-74' @ 1 s/ft (180° phsg, .40 diam holes, 16 gm chg). Prep to frac this AM.
- 12-15-92 Overnight SICP = 700 psi, RU D/S; frac Upr Green River perfs 4826'-74' down 4-1/2" csg w/54,000g borate gel & 170,000# 16/30 sd in 5 stgs. Trtd @ ave. 40 BPM x 2000 psi; BDP = 2300 psi, ISIP = 1722 psi; flowed well back per force closure @ 1.3 BPM (9/64" chk) for 61 BLW; JC @ 6:00 PM, 11 hrs F 14/64" chk R 30 bbls hvy gel, no sd, show oil, gas prep to GIH w/2-3/8" tbg & ret hd & swab load. -1340 BLW.

## WELL HISTORY

**RB 1-26B Federal**  
Uintah Co., Utah

- 12-16-92      Flow rate declined from 1.3 b/min to 0, pressure from 260# to 0#. Very hvy gel & cold resulted in flow back to zero. Run 2-3/8" tbg w/retrieving tool & SD @ 4340' (perfs 4628'-74'). Circ hole to 4740' UB. Landed tbg @ 4635' & commenced flow test ,SI. 900 psi in 30", flow back strong. 6:00 AM FTP 1600 psi, SICP 2000 psi, 16/64" chk, no sd, hvy mist, est 2378 MCFD. 370 BLR, 992 BLTR.
- 12-17-92      20 hrs flwing, 16/64" ck, 1750 psi FTP (1900 psi cp), 2.6 MMCF/D, 2 bbl frac fluid/hr, no sand, broken gel (frac fluid returns contain 4% crude oil & 2% diesel).
- 12-18-92      Killed well w/3% KCL wtr, Removed BOP's, flanged up WHD; K/O well, RR.
- 12-19-92      SI well.
- 12-20-92      42 hr, SITP = 1950#, SICP = 1980#. DROP FROM REPORT PENDING WELL EVALUATION.



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 4 of 5

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

PRODUCTION DEPT  
PG&E RESOURCES COMPANY  
6688 N CENTRAL EXP #1000  
DALLAS TX 75206-3922

UTAH ACCOUNT NUMBER: N0595REPORT PERIOD (MONTH/YEAR): 8 / 94AMENDED REPORT ☐ (Highlight Changes)

Well Name API Number      Entity      Location	Producing Zone	Well Status	Days Oper	Production Volumes		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ FEDERAL 33-33-B 4301331268 11086 08S 16E 33	GRRV			✓ 449092	(wells draw GRRV unit)	
✓ FEDERAL 13-33-B 4301331277 11092 08S 16E 33	GRRV			✓ "	(wells draw GRRV unit)	
✓ FEDERAL 22-5-G 4301331273 11103 09S 16E 5	GRRV			✓ 430096	(wells draw GRRV unit)	
✓ FEDERAL 13-34-B 4301331271 11104 08S 16E 34	GRRV			✓ 447171	(wells draw GRRV unit)	
✓ FEDERAL 21-4-G 4301331272 11107 09S 16E 4	GRRV			✓ 430096	(wells draw GRRV unit)	
✓ STATE 5-36B 44732224 11363 09S 19E 36	WSTC			✓ ML45173		
✓ STATE 9-36A 4304732225 11364 09S 18E 36	GRRV			✓ ML45171		
✓ FEDERAL 13-26B 4304732237 11370 09S 19E 26	WSTC			✓ UTK 68625	(w. willow creek?)	
✓ STATE 2-32B 4304732221 11371 09S 19E 32	WSTC			✓ ML45172		
✓ STATE 9-36B 4304732249 11372 09S 19E 36	WSTC			✓ ML45173		
✓ FEDERAL 11-24B 4304732223 11375 09S 19E 24	GRRV			✓ UTK 68625	(west willow creek unit)	
✓ <del>FEDERAL 11-26B</del> 4304732248 11380 09S 19E 26	WSTC			✓ "	* Conv. 61w to / 94 (west willow creek unit)	
✓ FEDERAL 13-24B 4304732418 11507 09S 19E 24	GRRV			✓ "	(west willow creek unit)	
TOTALS						

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

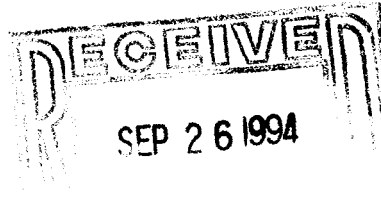
Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

September 21, 1994



Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078



RE: Federal 1-26B  
West Willow Creek Unit  
Section 26-T9S-R19E  
Uintah County, Utah

Gentlemen:

Attached is an original and two (2) copies of Form 3160-5 "Sundry Notices and Reports on Wells," for the referenced well. PG&E plans to convert the Federal 1-26B to gas injection as shown on the attached wellbore diagram.

If you have any questions or need further information, please contact the undersigned at 214/706-3640.

Very truly yours,

A handwritten signature in cursive script, reading "Cindy R. Keister".

Cindy R. Keister  
Supervisor Regulatory Compliance  
Northern Production Division

CRK/ck

Attachments

cc: Utah Division of Oil, Gas & Mining  
Central File  
Regulatory File

A large, handwritten checkmark in the bottom right corner of the page.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SEP 26 1994

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

PG&E Resources Company

3. Address and Telephone No.

6688 N. Central Expwy., Suite 1000, Dallas, TX 75206 214/750-3800

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

800' FNL & 712' FEL NE/4 NE/4 Section 26, T9S-R19E

5. Lease Designation and Serial No.

UTU-68625

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

West Willow Creek

8. Well Name and No.

Federal 1-26B

9. API Well No.

43-047-32248

10. Field and Pool, or Exploratory Area

Undesignated 002

11. County or Parish, State

Uintah County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment

TYPE OF ACTION

☐ Abandonment ☐ Change of Plans  
☐ Recompletion ☐ New Construction  
☐ Plugging Back ☐ Non-Routine Fracturing  
☐ Casing Repair ☐ Water Shut-Off  
☐ Altering Casing ☐ Conversion to Injection  
☒ Other Convert to gas injection ☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log from.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

PG&E Resources Company requests approval to convert the Federal 1-26B to a gas injection well as shown on the attached wellbore diagram.

**Accepted by the State  
of Utah Division of  
Oil, Gas and Mining**

Date: 9-29-94  
By: [Signature]

14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title Supervisor Regulatory Compliance Date 09/21/1994

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

CC: Utah DOGM

**FEDERAL 1-26B**  
**WEST WILLOW CREEK UNIT**  
Uintah County, Utah

Spud: 7/20/92

TD Date: 8/11/92

Compl. Date: 9/11/92

Sec 26-T9S-R19E

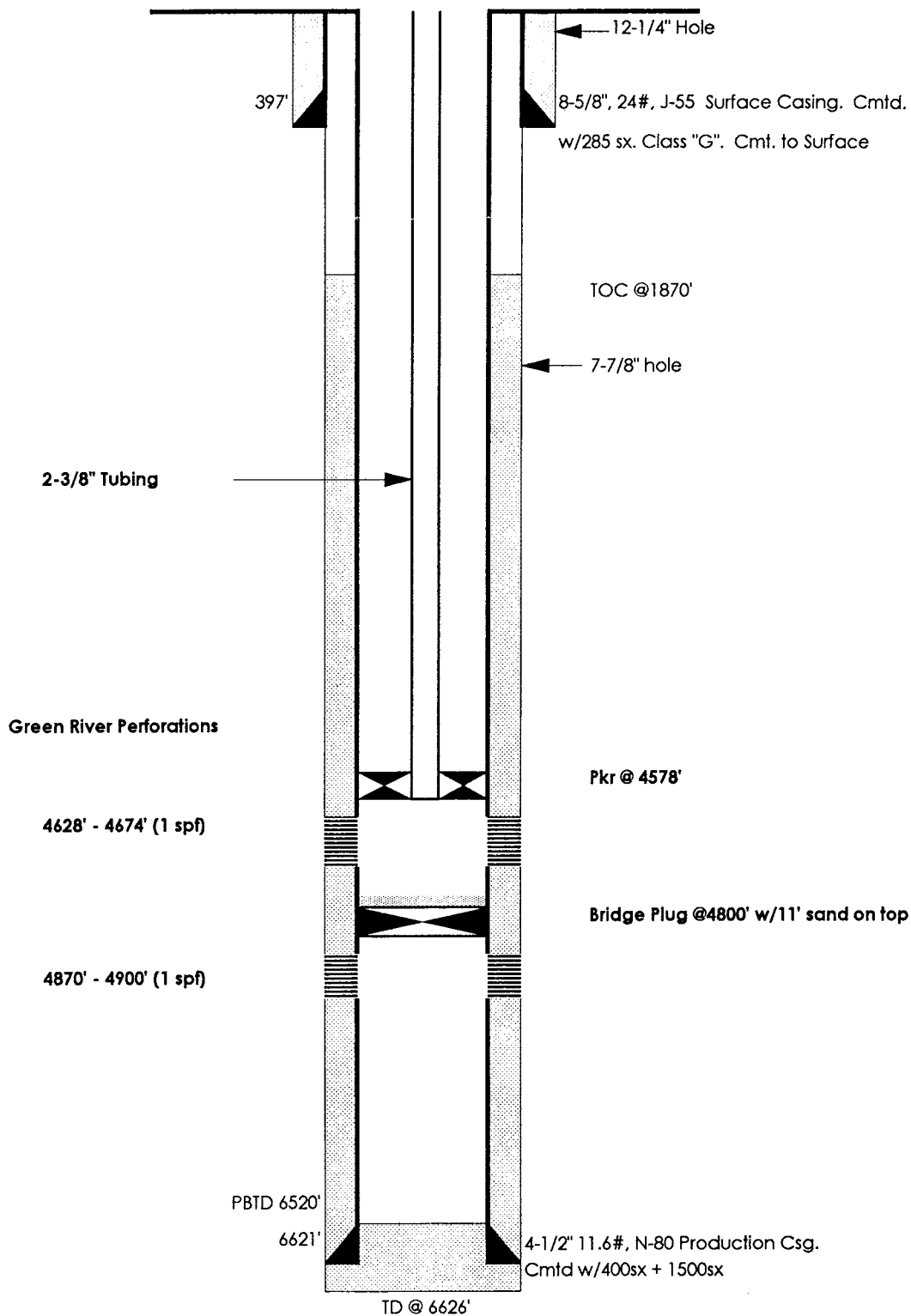
880' FNL & 712' FEL

NE/4 NE/4

**PROPOSED**

KB: 4681'

GL: 4666'



RECEIVED

1994

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

DIVISION OF OIL, GAS & MINING

Well name and number: Federal #1-26B  
Field or Unit name: West Willow Creek Unit API no. 43-047-32248  
Well location: QQ NE NE section 26 township 9S range 19E county Unitah  
Effective Date of Transfer: 10/1/94

CURRENT OPERATOR

Transfer approved by:

Name Jim Johnson Company PG&E Resources Company  
Signature Jim Johnson Address 6688 N. Central Expwy, Suite 1000  
Title Regulatory Analyst Dallas, Texas 75206-3922  
Date November 30, 1994 Phone ( 214 ) 706-3678

Comments: PG&E Resources Company changed its name to DALEN Resources Oil & Gas Co. effective 10/1/94.

NEW OPERATOR

Transfer approved by:

Name Jim Johnson Company DALEN Resources Oil & Gas Co.  
Signature Jim Johnson Address 6688 N. Central Expwy, Suite 1000  
Title Regulatory Analyst Dallas, Texas 75206-3922  
Date November 30, 1994 Phone ( 214 ) 706-3678

Comments:

(State use only)

Transfer approved by [Signature]

Title General Manager

Approval Date 12-6-94

## UTAH WELLS

8/24/94

WELL NAME	LOCATION	SEC-TWNSHIP-RANGE	COUNTY	LEASE NUMBER	API NO.
✓ NGC #31-15 (PA'd 10/88)	NW/4 NE/4	15-14S-24E	Unitah	U-10133	43-047-30974
✓ Federal #42-23 (PA'd 9/90)	SE/4 NE/4	23-14S-24E	Unitah	U-10133	43-047-30976
✓ Federal #23-23 (PA'd 8/90)	NE/4 SW/4	23-9S-17E	Unitah	U-17785	43-047-31169
✓ Federal #32-29	SW/4 NE/4	29-9S-18E	Unitah	U-19267	43-047-31175
✓ Federal #33-18-J	NW/4 SE/4	18-9S-19E	Unitah	U-16544	43-047-31200
✓ State #2-32-B	NW/4 NE/4	32-9S-19E	Unitah	ML-45172	43-047-32221
✓ Federal #11-24-B	NE/4 SW/4	24-9S-19E	Unitah	UTU-68625	43-047-32223
✓ State #5-36-B	SW/4 NW/4	36-9S-19E	Unitah	ML-45173	43-047-32224
✓ State #9-36-A	NE/4 SE/4	36-9S-18E	Unitah	ML-45171	43-047-32225
✓ Federal #7-24-B	SW/4 NE/4	24-9S-19E	Unitah	U-68625	43-047-32227
✓ Federal #13-26-B	SW/4 SW/4	26-9S-19E	Unitah	UTU-68626	43-047-32237
✓ Federal #11-31-C (PA'd 2/94)	NE/4 SW/4	31-9S-20E	Unitah	UTU-68631	43-047-32244
✓ Federal #1-26-B	NE/4 NE/4	26-9S-19E	Unitah	UTU-68625	43-047-32248
✓ State #9-36-B	NE/4 SE/4	36-9S-19E	Unitah	ML-45173	43-047-32249
✓ Federal #13-24-B	SW/4 SW/4	24-9S-19E	Unitah	UTU-68625	43-047-32418
✓ Federal #15-24-B	SW/4 SE/4	24-9S-19E	Unitah	UTU-68625	43-047-32420
✓ State #15-14-B	SW/4 NW/4	24-9S-19E	Unitah	ML-45243	43-047-32450
✓ Federal #5-24-B	SW/4 NW/4	24-9S-19E	Unitah	UTU-68625	43-047-32447
✓ Blue Diamond #13-13-B	SW/4 SW/4	13-9S-19E	Unitah	Fee	43-047-32457
✓ Federal #7-19-B	SW/4 NE/4	19-9S-19E	Unitah	UTU-65218	43-047-32479
✓ State #31-32	NW/4 NE/4	32-8S-18E	Unitah	ML-22058	43-047-32500
✓ Federal #2-19	NW/4 NE/4	19-9S-19E	Unitah	U-65218	43-047-32497
✓ Federal #41-29	NE/4 NE/4	29-9S-18E	Unitah	U-19267	43-047-32495
✓ Federal #44-18	SE/4 SE/4	18-9S-19E	Unitah	U-16544	43-047-32498

DALEN Resources  
Oil & Gas Co.



October 5, 1994

OCT 11

Lisha Romero  
State Oil & Gas Office  
3 Triad Center  
Salt Lake City, Utah 84180-1203

Re: Company Name Change

Dear Ms. Romero:

PG&E Resources Company changed its name to DALEN Resources Oil & Gas Co. We are requesting a blanket change for all of PG&E Resources Company's properties to:

DALEN Resources Oil & Gas Co.  
6688 N. Central Expressway, Suite 1000  
Dallas, Texas 75206-3922

This change is effective October 1, 1994 for all records and reports filed in all districts throughout the state of Utah. I have included a listing of our Utah properties.

Also enclosed is a copy of the Certificate of the Secretary of State of Delaware regarding the name change to DALEN Resources Oil & Gas Co.

If you have any questions regarding this matter, please contact me at (214) 706-3678.

Sincerely,

A handwritten signature in cursive script that reads "Jim Johnson".

Jim Johnson  
Regulatory Analyst

JJ/sw  
Enclosures

cc: Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078

State of Delaware  
*Office of the Secretary of State*

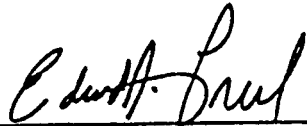
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I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"PG&E RESOURCES OFFSHORE COMPANY", A DELAWARE CORPORATION,  
WITH AND INTO "PG&E RESOURCES COMPANY" UNDER THE NAME OF  
"DALEN RESOURCES OIL & GAS CO.", A CORPORATION ORGANIZED AND  
EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED  
AND FILED IN THIS OFFICE THE NINETEENTH DAY OF SEPTEMBER, A.D.  
1994, AT 1:30 O'CLOCK P.M.

A CERTIFIED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO  
THE NEW CASTLE COUNTY RECORDER OF DEEDS FOR RECORDING.



  
Edward J. Freel, Secretary of State

2261176 8100M

944175519

AUTHENTICATION:

7242629

DATE:

09-19-94



**CERTIFICATE OF OWNERSHIP  
AND MERGER**

**MERGING**

**PG&E Resources Offshore Company  
a Delaware corporation**

**INTO**

**PG&E Resources Company  
a Delaware corporation**

**(Pursuant to Section 253 of the General Corporation  
Law of the State of Delaware)**

PG&E Resources Company, a corporation duly organized and existing under and by virtue of the General Corporation Law of the State of Delaware ("Resources"), does hereby certify:

**FIRST:** That Resources and PG&E Resources Offshore Company ("Offshore") are corporations duly organized and existing under and by virtue of the General Corporation Law of the State of Delaware.

**SECOND:** That Resources owns all of the outstanding shares of the capital stock of Offshore.

**THIRD:** That the board of directors of Resources adopted the following resolutions by unanimous written consent on September 16, 1994, and that such resolutions have not been rescinded and are in full force and effect on the date hereof:

**"RESOLVED,** that PG&E Resources Offshore Company, a Delaware corporation ("Offshore"), which is a wholly-owned subsidiary of Resources, merge with and into Resources pursuant to Section 253 of the General Corporation Law of the State of Delaware (the "Merger"), effective as of 9:00 A.M., Wilmington, Delaware time, on October 1, 1994, and that Resources assumes all of the obligations of Offshore at such time;

**RESOLVED,** that upon the effective time of the Merger the name of the surviving corporation shall be changed to "DALEN Resources Oil & Gas Co."; and

**RESOLVED,** that the President or any Vice President of Resources are hereby authorized and empowered to file with the Secretary of State of the State of Delaware a certificate of ownership and merger to effect the Merger and the name change of the surviving corporation, and the appropriate officers of Resources are hereby authorized to incur the necessary expenses therefor and to take, or cause to be taken, all such further action and to execute and deliver

or cause to be executed and delivered, in the name of and on behalf of Resources, all such further instruments and documents as any such officer may deem to be necessary or advisable in order to effect the purpose and intent of the foregoing resolutions and to be in the best interests of Resources (as conclusively evidenced by the taking of such action or the execution and delivery of such instruments and documents, as the case may be, by or under the direction of any such officer)."

FOURTH: This Certificate shall not be effective upon its filing date, but shall become effective at 9:00 A.M., Wilmington, Delaware time, on October 1, 1994 (the "Effective Date").

FIFTH: Upon the Effective Date, the name of the surviving corporation shall be changed to "DALEN Resources Oil & Gas Co.".

IT WITNESS WHEREOF, Resources has caused this Certificate to be signed by its duly authorized officer this 19th day of September 1994.

PG&E RESOURCES COMPANY

By Joseph T. Williams  
Name: Joseph T. Williams  
Title: President

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.

UTU-68625

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

West Willow Creek

8. Well Name and No.

Federal 1-26B

9. API Well No.

43-047-32248

10. Field and Pool, or Exploratory Area

Undesignated 002

11. County or Parish, State

Uintah County, Utah

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

PG&E Resources Company

3. Address and Telephone No.

6688 N. Central Expwy., Suite 1000, Dallas, TX 75206 214/750-3800

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

800' FNL & 712' FEL NE/4 NE/4 Section 26, T9S-R19E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment

TYPE OF ACTION

- ☐ Abandonment ☐ Change of Plans  
☐ Recompletion ☐ New Construction  
☐ Plugging Back ☐ Non-Routine Fracturing  
☐ Casing Repair ☐ Water Shut-Off  
☐ Altering Casing ☐ Conversion to Injection  
☒ Other Daily history ☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log from.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

PG&E Resources Company requests has commenced operations to convert the Federal 1-26B to gas injection as shown on the attached reports.

14. I hereby certify that the foregoing is true and correct

Signed Candy B. Reister Title Supervisor Regulatory Compliance Date 10/14/1994

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

CC: Utah DOGM

## WELL HISTORY

**Federal 1-26B**  
West Willow Creek  
Riverbend Area  
Uintah County, Utah

10-06-94 RU to pull 2-3/8" tbg. Spot pump & tank, SDFN.

10-07-94 Pump down tbg to kill well with 90 bbl 9.5# brine & 3% KCl wtr. Remove prod head, install BOPE, move 2-3/8" prod tbg, tag sand at 4700' & POOH with tbg. Run GR with JB to 4600', no rec'y. Run retrieving pkr on WL & set at 4580'. Run on/off tool with down hole shut off & seal assembly on 2-3/8" tbg. Circ pkr fluid, latch into pkr, close down hole shut off. Press test tbg to 3000 psi (ok). Open down hole shut off, space out & land tbg in neutral. NU wellhead, press test backside to 1000 psi (ok).

10-08-94 1500 psi on wellhead. Lay flow line with choke to pit, flow well to pit for 2 hrs. Clean up on 10/64" choke with 1400 psi, 500 MCFD. RD service rig, clean up location & RR.

10-09-94 No activity.

10-10-94 Inj 1.994 MMCFD at 1830 psi. All wells at full capacity (572 BOPD) in Willow Creek Gas Inj, 2 wells need hot oil treatment.

10-11-94 Inj 2.379 MMCF at 1875 psi, 553 BP (2 wells need to be hot-oiled).

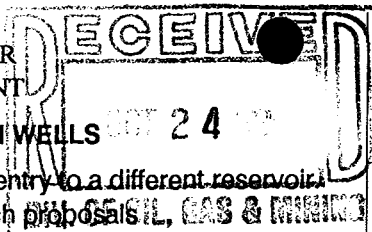
10-12-94 Inj 2.416 MMCF at 1825 psi, 524 BOPD. Hot oil two wells. Eval opening up 2 flg wells now.

10-13-94 Inj 2.38 MMCFD, 1840 psi.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS



Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals.

5. Lease Designation and Serial No.

UTU-68625

6. If Indian, Allottee or Tribe Name

NA

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

PG&E Resources Company

3. Address and Telephone No.

6688 N. Central Expwy., Suite 1000, Dallas, TX 75206 214/750-3800

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

800' FNL & 712' FEL NE/4 NE/4 Section 26, T9S-R19E

7. If Unit or CA, Agreement Designation

West Willow Creek

8. Well Name and No.

Federal 1-26B

9. API Well No.

43-047-32248

10. Field and Pool, or Exploratory Area

Undesignated 002

11. County or Parish, State

Uintah County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other First Gas Injection	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log from.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

PG&E Resources Company began injecting gas into the Federal 1-26B on 10/10/94 injecting at a rate of 1,994 MCFD @1830 psi.

14. I hereby certify that the foregoing is true and correct

Signed

Title Supervisor Regulatory Compliance

Date

10/20/1994

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

PG&E Resources Company

3. Address and Telephone No.

6688 N. Central Expwy., Suite 1000, Dallas, TX 75206 214/750-3800

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

800' FNL & 712' FEL NE/4 NE/4 Section 26, T9S-R19E

5. Lease Designation and Serial No.

UTU-68625

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

West Willow Creek

8. Well Name and No.

Federal 1-26B

9. API Well No.

43-047-32248

10. Field and Pool, or Exploratory Area

Undesignated 002

11. County or Parish, State

Uintah County, Utah

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☒ Other First Gas Injection ☐ Dispose Water

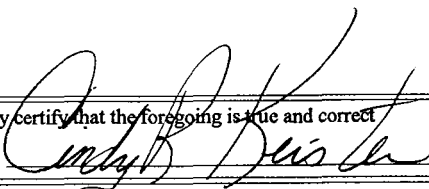
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14. I hereby certify that the foregoing is true and correct

Signed



Title Supervisor Regulatory Compliance

Date 10/20/1994

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

OCT 26

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

UTU-68625

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

West Willow Creek Unit

8. FARM OR LEASE NAME

Federal

9. WELL NO.

1-26B

10. FIELD AND POOL, OR WILDCAT

Undesignated 002

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Section 26, T9S-R19E

12. COUNTY OR PARISH

Utah

13. STATE

Utah

19. ELEV. CASINGHEAD

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

4681' RKB

23. INTERVALS DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

25. WAS DIRECTIONAL SURVEY MADE

Yes

27. WAS WELL CORED

No

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL ☐ GAS ☐ DRY ☐ Other Gas Injection

b. TYPE OF COMPLETION: NEW ☐ WORK ☐ DEEP- ☐ PLUG ☒ DIFF. ☐ Other ☐  
WELL ☐ OVER ☐ EN ☐ BACK ☐ RESVR ☐

2. NAME OF OPERATOR

PG&E Resources Company

3. ADDRESS OF OPERATOR

6688 N. Central Expwy., Suite 1000, Dallas, TX 75206

4. LOCATION OF (Report location clearly and in accordance with any State requirements)\*

At surface 880' FNL & 712' FEL NE/4 NE/4

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

43-047-32248

DATE ISSUED

05/15/92

15. DATE SPUDDED

07/20/92

16. DATE T.D. REACHED

08/11/92

17. DATE COMPL. (Ready to prod.)

09/11/92

20. TOTAL DEPTH, MD & TVD

6626'

21. PLUG, BACK T.D., MD & TVD

4789'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

4628' - 4674' Green River

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL/CBL/GR/CCL

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	397'	12-1/4"	285sx Class "G" w/additives	0
4-1/2"	11.6#	6623'	7-7/8"	400sx Class "G" w/additives +	0
				1500sx 50/50 Poz w/additives	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	4580'	4580'

31. PERFORATION RECORD (Interval, size and number)

4628' - 4674' 1 SPF

32. ACID, SHOT, FRACTURE, CEMENT

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4870' - 4900'	Set CIBP @4800# w/11' sand on top

33.\* PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) WELL STATUS (Producing or shut-in) Active

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Cindy B. Keister TITLE Supervisor Regulatory Compliance

DATE 10/24/1994

\*(See Instructions and Spaces For Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Green River	4900'	4870'	Oil	Basal LS		5064'
				Top Wasatch		5208'

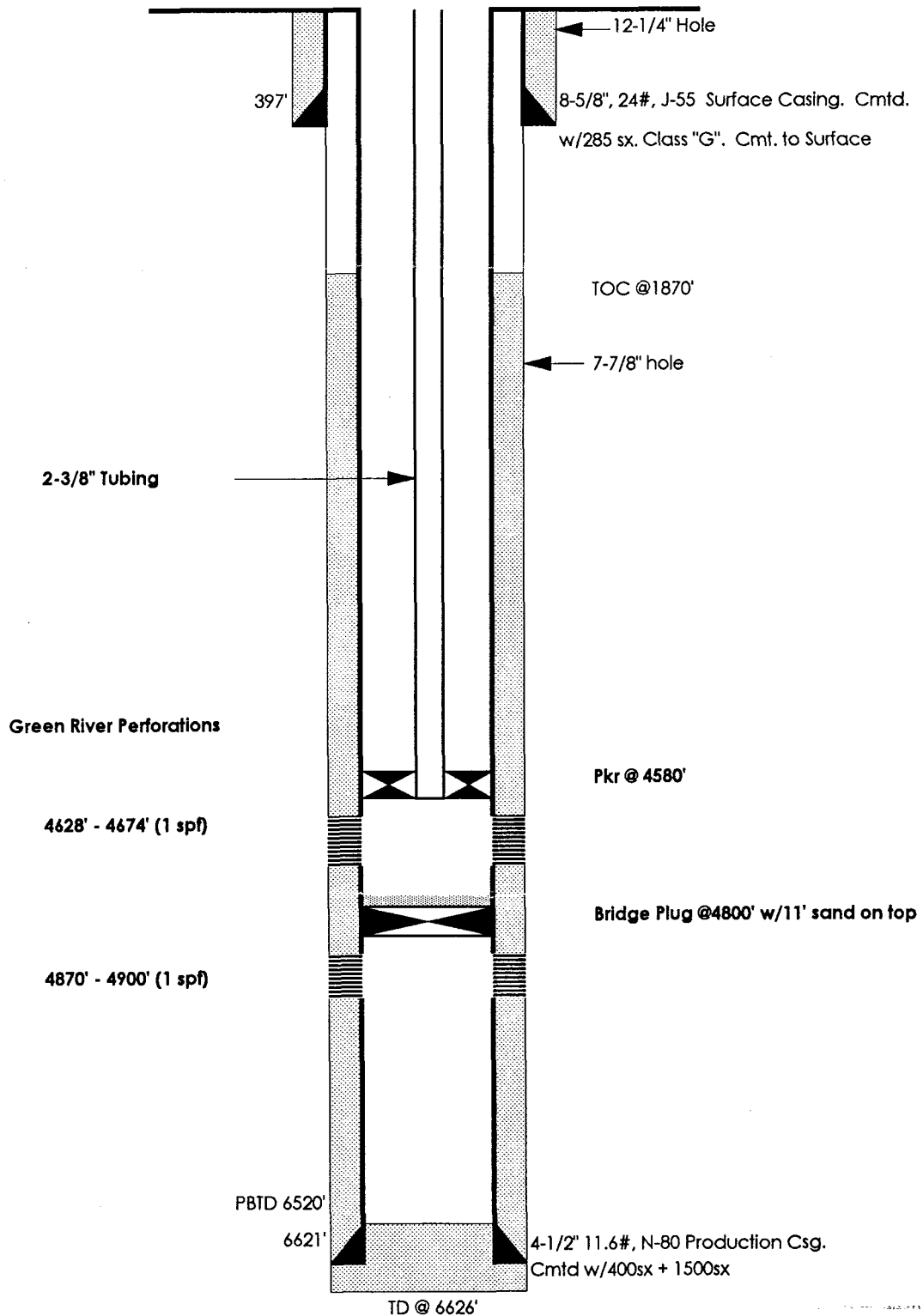


**FEDERAL 1-26B**  
**WEST WILLOW CREEK UNIT**  
Uintah County, Utah

Spud: 7/20/92  
TD Date: 8/11/92  
Compl. Date: 9/11/92

Sec 26-T9S-R19E  
880' FNL & 712' FEL  
NE/4 NE/4

KB: 4681'  
GL: 4666'



OCT 26 1994

October 24, 1994

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

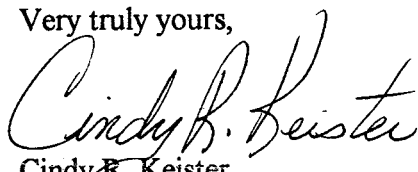
RE: Federal 1-26B  
West Willow Creek Unit  
Section 26-T9S-R19E  
Uintah County, Utah

Gentlemen:

Attached is an original and two (2) copies of Form 3160-4 "Well Completion or Recompletion Report and Log" for the Federal 1-26B. This well has been converted to a gas injection well which serves the West Willow Creek Unit.

If you have any questions or need further information, please contact the undersigned at 214/706-3640.

Very truly yours,



Cindy R. Keister  
Supervisor Regulatory Compliance  
Northern Production Division

CRK/ck

Attachments

cc: Utah Division Oil, Gas & Mining  
Randy Miller - PG&E Vernal Office  
Regulatory File  
Central File



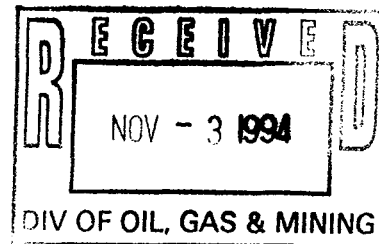
DALEN Resources  
Oil & Gas Co.



October 31, 1994

Kent E. Johnson  
Vice President  
Exploration/Development

STATE OF UTAH NATURAL RESOURCES  
OIL & GAS MINING  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
Attn: Gil Hunt



Re: Name Change  
PG&E Resources Company

Gentlemen:

Effective October 1, 1994, PG&E Resources Company (PG&ER) changed its name to **DALEN** Resources Oil & Gas Co. As a result of this action, all activities previously conducted in the name of PG&E Resources Company will subsequently be conducted by **DALEN** Resources Oil & Gas Co.. No changes in ownership, personnel, office address, telephone numbers, or business practices were caused by this name change.

Please revise your records by replacing PG&E Resources Company or PG&E Resources Offshore Company with **DALEN** Resources Oil & Gas Co.

Very truly yours,

A handwritten signature in cursive script that reads "John R. Wingert".

John R. Wingert  
Exploration Manager  
Northern Division

JRW:lkd

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

1994

### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT for such proposals.

<b>1. Type of Well</b> <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other (Specify) <u>Gas Injection Well</u>		<b>6. Lease Designation and Serial Number</b> UTU-68625
<b>2. Name of Operator</b> DALEN Resources Oil & Gas Co.		<b>7. Indian Allottee or Tribe Name</b> NA
<b>3. Address of Operator</b> 6688 N. Central Expwy., Suite 1000, Dallas, TX 75206		<b>8. Unit or Communization Agreement</b> West Willow Creek
<b>4. Telephone Number</b> (214) 750-3800		<b>9. Well Name and Number</b> Federal 1-26B
<b>5. Location of Well</b> Footage : 800' FNL & 712' FEL NE/4 NE/4 QQ. Sec, T., R., M. : Section 26, T9S-R19E		<b>10. API Well Number</b> 43-047-32248
County : Uintah State : UTAH		<b>11. Field and Pool, or Wildcat</b> Green River

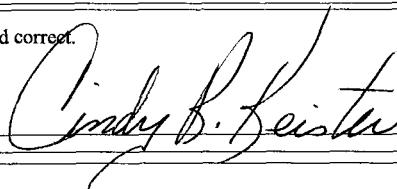
<b>12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>																											
<b>NOTICE OF INTENT</b> (Submit in Duplicate) <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Abandonment</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recompletion</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input type="checkbox"/> Other _____</td> <td></td> </tr> </table>	<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____		<b>SUBSEQUENT REPORT</b> (Submit in Duplicate) <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Abandonment *</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Test</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input checked="" type="checkbox"/> Other <u>MIT Test</u></td> <td></td> </tr> </table> <p>Date of Work Completion <u>10/07/94</u></p> <p>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.          * Must be accompanied by a cement verification report.</p>	<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Test	<input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Other <u>MIT Test</u>	
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<input checked="" type="checkbox"/> Other <u>MIT Test</u>																											

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The back side was pressure tested to 1000 psi for 15 minutes.

14. I hereby certify that the foregoing is true and correct.

Name & Signature Cindy R. Keister



Title Supervisor Reg. Compliance

Date 11/04/1994

(State Use Only)

CC: BLM Vernal

Division of Oil, Gas and Mining  
OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

Routing:

1	LEC/GIL
2	LWP 7-PL
3	DTF 8-SJ
4	VLC 9-FILE
5	RJF
6	LWP

☒ Change of Operator (~~well sold~~)

☐ Designation of Agent

☐ Designation of Operator

☒ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 10-1-94)

TO (new operator) **DALEN RESOURCES OIL & GAS CO.** FROM (former operator) **PG&E RESOURCES COMPANY**  
(address) **6688 N CENTRAL EXP STE 1000** (address) **6688 N CENTRAL EXP STE 1000**  
**DALLAS TX 75206-3922** **DALLAS TX 75206-3922**

phone ( 214 ) 750-3800  
account no. N3300 (11-29-94)

phone ( 214 ) 750-3800  
account no. N0595

Well(s) (attach additional page if needed):

**\*WELLS DRAW (GRRV) UNIT**

**\*WEST WILLOW CREEK UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>047-32248</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Lee 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 10-3-94)
- Lee 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 10-3-94)
- Lee 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: #FN001519. "Dalen Resources Corp." eff. 6-15-94.
- Lee 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Lee 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (11-29-94)
- Sup 6. Cardex file has been updated for each well listed above. 12-7-94
- Sup 7. Well file labels have been updated for each well listed above. 12-8-94
- Lee 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (11-29-94)
- Lee 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

### ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) (no) (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (~~Fee wells only~~)

*Surety U1870145/80,000 "Rider to Dallen" rec'd 10-3-94.  
\* Trust Land/Ed "Rider" Appr. 10-5-94 # U2164274/80,000.*

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new <sup>*Upon compl. of routing.*</sup> and former operators' bond files.
- Yes 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_\_.
- N/A Today's date \_\_\_\_ 19\_\_\_\_. If yes, division response was made by letter dated \_\_\_\_ 19\_\_\_\_.

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated \_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

OTD 2. Copies of documents have been sent to State Lands for changes involving State leases.  
*12/8/94 to Ed Bonner*

### FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: December 15 1994.

### FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

*9/11/08 Bm/s.Y. Not Appr. yet!*

*9/11/25 " Appr. 'd.*

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: Federal 1-26B  
Field or Unit name: West Willow Creek Unit API no. 43-047-32248  
Well location: QQ NE section 26 township 9S range 19E county Uintah  
Effective Date of Transfer: 01/01/96

CURRENT OPERATOR

Transfer approved by:

Name Cindy R. Keister Company DALEN Resources Oil & Gas Co.  
Signature *Cindy R. Keister* Address 6688 N. Central Expwy., Suite 1000  
Title Regulatory Compliance Specialist Dallas, TX 75206  
Date 01/18/96 Phone ( 214 ) 987-6353

Comments: DALEN Resources was merged into Enserch Exploration, Inc.

NEW OPERATOR

Transfer approved by:

Name Cindy R. Keister Company Enserch Exploration, Inc.  
Signature *Cindy R. Keister* Address 4849 Greenville Ave., Suite 1200  
Title Regulatory Compliance Specialist Dallas, TX 75206  
Date 01/18/96 Phone ( 214 ) 987-6353

Comments:

(State use only)

Transfer approved by *A. J. J.* Title *Environ. Manager*  
Approval Date *2-13-96*

**ENSERCH  
EXPLORATION** INC

4849 Greenville Ave., Suite 1200  
Dallas, Texas 75206-4186  
214/369-7893

January 11, 1996

Bureau of Land Management  
Utah State Office  
324 South State  
Salt Lake City, UT 84111

Attention: Mr. Chris Merritt

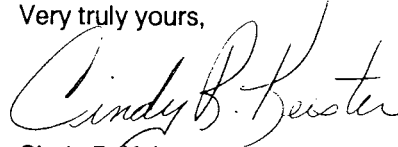
RE: Operator Name Change

Dear Mr. Merritt:

DALEN Resources Oil & Gas Co. has been merged into Enserch Exploration, Inc. effective January 1, 1996. Attached is a list of the properties that were operated by DALEN Resources and a copy of the Certificate of Merger from the Secretary of the State of Texas. Please change the operator name on these properties. Enserch Exploration, Inc. operates under Nationwide Bond No. 203826, BLM assigned No. MT-0680.

If you have any questions or need further information, please contact the undersigned at (214) 987-6363.

Very truly yours,



Cindy R. Keister  
Regulatory Compliance Specialist

CRK/ck

Attachments

cc: Vernal BLM Office w/attachments



**ENSERCH**  
**EXPLORATION** INC.

4849 Greenville Avenue, Suite 1200  
Dallas, Texas 75206-4186

January 18, 1996

State of Utah  
Department of Natural Resources  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

Attention: Mr. Dan Jarvis

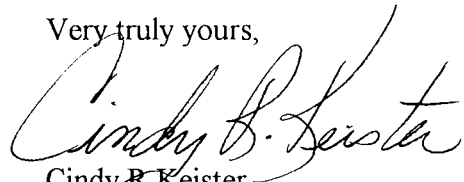
RE: Operator Changes - UIC Wells  
Pleasant Valley Unit  
Wells Draw Unit  
West Willow Creek Unit  
Duchesne & Uintah Counties, Utah

Gentlemen:

Attached is an original and one (1) copy of UIC Form 5 "Transfer of Authority to Inject" changing the operator from DALEN Resources Oil & Gas Co. to Enserch Exploration, Inc. for the water and gas injection wells in the referenced units. Also attached is a copy of the Certificate of Merger from the Secretary of the State of Texas certifying the Articles of Merger.

If you have any questions or need further information, please contact the undersigned at 214/987-6353.

Very truly yours,



Cindy R. Keister  
Regulatory Compliance Specialist

CRK/ck

Attachments

cc: Central File  
Regulatory File

UTAH WELLS  
ENSERCH EXPLORATION, INC.

1/11/96

UNIT	WELL		LSE NO.	API NO.	QTR	SEC.	TWN	RANGE	COUNTY
**	Federal	21- 9H	U-50750	✓43-013-31458	NE NW	9	9S	17E	Duchesne
**	Federal	22- 9H	U-50750	✓43-013-31049	SE NW	9	9S	17E	Duchesne
**	Federal	23- 9H	U-50750	✓43-013-31206	NE SW	9	9S	17E	Duchesne
**	Federal	24- 9H	U-50750	✓43-013-30682	SE SW	9	9S	17E	Duchesne
**	Federal	33- 9H	U-61052	✓43-013-31108	NW SE	9	9S	17E	Duchesne
	Federal	19- 1	U-13905	✓43-013-30563	NW NW	19	9S	17E	Duchesne
	Govt. Fowler	20- 1	U-13905	✓43-013-30563	NW NW	20	9S	17E	Duchesne
	Federal	41- 30H	U-11385	✓43-013-30601	NE NE	30	9S	17E	Duchesne
	Federal	21- 15H	U-11385	✓43-013-30614	NE NW	15	9S	17E	Duchesne
***	Federal	3- 24B	UTU-68625	✓43-047-32671	NE NW	24	9S	19E	Uintah
***	Federal	5- 24B	UTU-68625	✓43-047-32447	SW NW	24	9S	19E	Uintah
***	Federal	11- 24B	UTU-68625	✓43-047-32223	NE SW	24	9S	19E	Uintah
***	Federal	13- 24B	UTU-68625	✓43-047-32418	SW SW	24	9S	19E	Uintah
***	Federal	15- 24B	UTU-68625	✓43-047-32420	SW SE	24	9S	19E	Uintah
***	Federal	3- 25B	UTU-	✓43-047-32417		25	9S	19E	Uintah
***	Federal	7- 25B	UTU-	✓43-047-30406		25	9S	19E	Uintah
✓***	Federal	1- 26B	UTU-68625	✓43-047-32248	NE NE	26	9S	19E	Uintah
***	Federal	13- 26B	UTU-68625	✓43-047-32237	SW SW	26	9S	19E	Uintah
	Federal	41- 29I	U-19267	✓43-047-32495	NE NE	29	9S	18E	Uintah
	Federal	33- 18J	U-16544	✓43-047-31200	NW SE	18	9S	19E	Uintah
	Federal	24- 34D	U-58546	✓43-047-31637	SE SW	34	8S	18E	Uintah
	State	2- 32B	ML-45172	✓43-047-32221	NW NE	32	9S	18E	Uintah
	State	5- 36B	ML-45173	✓43-047-32224	SW NW	36	9S	19E	Uintah
	State	9- 36A	ML-45171	✓43-047-32225	NE SE	36	9S	19E	Uintah
	State	9- 36B	ML-45173	✓43-047-32249	NE SE	36	9S	19E	Uintah
	State	31- 32D	ML-22058	✓43-047-32479	NW NE	32	8S	18E	Uintah
	State	1-16	ML-46194	✓43-013-15582	SWSW	16	9S	17E	Duchesne

- \* Wells Draw Unit                      BLM Unit No. UTU72613A  
 \*\* Pleasant Valley Unit                BLM Unit No. UTU74477X  
 \*\*\* West Willow Creek Unit            BLM Unit No. UTU73218X

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

FEB 12 1996

IN REPLY REFER TO:  
3100  
U-01470A et al  
UT-923

FEB 09 1996

### NOTICE

Enserch Exploration, Inc.	:	Oil and Gas
4849 Greenville Ave., Suite 1200	:	U-01470A et al
Dallas, Texas 75206-4186	:	

### Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of DALEN Resources Oil & Gas Co. into Enserch Exploration, Inc. with Enserch Exploration, Inc. being the surviving entity.

For our purposes, the merger is recognized effective December 31, 1995 (Secretary of State's approval date).

The oil and gas lease files identified on the enclosed exhibit have been noted as to the merger. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field offices, you will be contacted by them.

If you identify other leases in which the merging entity maintains an interest, please contact this office and we will appropriately document those files with a copy of this notice.

By recognition of the merger, the principal/obligor is automatically changed by operation of law from DALEN Resources Oil & Gas Co. to Enserch Exploration, Inc. on Bond No. U1870111 (BLM Bond No. WY2554). This is a nationwide bond held in the Wyoming State Office. Enserch Exploration, Inc. has a nationwide bond, No. 203826 (BLM Bond No. MT0680) on file in the Montana State Office. Only one of the bonds is required to cover liabilities for lease obligations. However, both bonds will remain in effect until the principal/obligor advises the appropriate BLM State Office which bond it wishes to maintain and which bond it wishes to have the period of liability terminated. A rider, assuming any and all liabilities of the bond you wish to terminate must be submitted for approval to the appropriate BLM State Office. If you have any questions concerning the bonding, please contact Irene Anderson at (801) 539-4108.

/s/ ROBERT LOPEZ

Chief, Branch of Mineral  
Leasing Adjudication

### Enclosure

1. Exhibit (1p)

bc: State of Utah, Division of Oil, Gas & Mining, Attn: Lisha Cordova,  
3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1204  
MMS-Data Management Division, MS 3113, P.O. Box 5860, Denver, CO 80217  
Moab District Office  
Vernal District Office  
Teresa Thompson (UT-920)  
Irene Anderson (UT-923)

### Exhibit of Leases

U-01470A	U-0143521A	U-52765	UTU-68328
U-01790	U-0147541	U-55626	UTU-68330
U-02896A	U-0147541A	U-58546	UTU-68338
U-03505	U-2838	U-61052	UTU-68346
U-03576	U-7206	U-61189	UTU-68347
U-013429A	U-10291	U-62657	UTU-68348
U-013765	U-10760	UTU-65218	UTU-68388
U-013766	U-11385	UTU-65472	UTU-68402
U-013767	U-13905	UTU-65615	UTU-68544
U-013769	U-14236	UTU-65949	UTU-68548
U-013769A	U-15392	UTU-66004	UTU-68619
U-013769B	U-16535	UTU-66027	UTU-68624
U-013769C	U-16539	UTU-66033	UTU-68625
U-013792	U-16544	UTU-66184	UTU-68626
U-013793	U-17036	UTU-66185	UTU-68627
U-013793A	U-17424	UTU-66193	UTU-68631
U-013794	U-19267	UTU-66484	UTU-69024
U-013818A	U-30096	UTU-66743	UTU-69166
U-013820	U-39221	UTU-67168	UTU-69482
U-013821A	U-39713	UTU-67841	UTU-72104
U-017713	U-39714	UTU-67857	UTU-73087
U-035316	U-40026	UTU-67996	UTU-73089
U-037164	U-47171	UTU-67997	UTU-73433
U-0141644	U-49092	UTU-68108	UTU-73512
U-0143519	U-50750	UTU-68109	UTU-74805
U-0143520A	U-51081	UTU-68316	UTU-74806
U-034217A	U-07978	UTU-72108	UTU-74872

Wells Draw Unit (UTU-72613A)  
West Willow Creek Unit (UTU-73218X)  
Pleasant Valley Unit (UTU-74477X)



# The State of Texas

## SECRETARY OF STATE CERTIFICATE OF MERGER

The undersigned, as Secretary of State of Texas, hereby certifies that the attached Articles of Merger of

DALEN CORPORATION  
a Delaware no permit corporation  
with  
ENSERCH EXPLORATION, INC.  
a Texas corporation

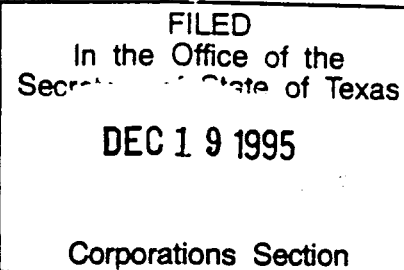
have been received in this office and are found to conform to law. ACCORDINGLY, the undersigned, as Secretary of State, and by virtue of the authority vested in the Secretary by law, hereby issues this Certificate of Merger.

Dated December 19, 1995.

Effective December 31, 1995 04:55 PM



*1087.*  
\_\_\_\_\_  
Antonio O. Garza, Jr.  
Secretary of State

**ARTICLES OF MERGER OF****DALEN Corporation****INTO****Enserch Exploration, Inc.**

Pursuant to the provisions of Article 5.16 of the Texas Business Corporation Act, Enserch Exploration, Inc., a corporation organized under the laws of the State of Texas ("Parent Corporation"), and owning at least ninety percent of the shares of DALEN Corporation, a corporation organized under the laws of the State of Delaware ("Subsidiary Corporation"), hereby executes the following Articles of Merger:

1. The name of the Parent Corporation is Enserch Exploration, Inc. The name of the Subsidiary Corporation is DALEN Corporation. Enserch Exploration, Inc. is incorporated in Texas, and DALEN Corporation is incorporated in Delaware.

2. The following is a copy of resolutions of the Board of Directors of Enserch Exploration, Inc. or Parent Corporation ("Enserch") adopted on December 5, 1995:

"WHEREAS Section 5.16 of the Texas Business Corporation Act permits short-form mergers if the subsidiary is a foreign corporation and the parent is a Texas corporation, provided that this procedure is permitted by the laws of the foreign corporation's jurisdiction of incorporation and

"WHEREAS Section 253 of the General Corporation Law of Delaware provides for short-form mergers between a domestic subsidiary corporation and a foreign parent corporation,

"RESOLVED, That DALEN Corporation, a Delaware corporation ("DALEN"), which is a wholly-owned subsidiary of Enserch, merge with and into Enserch Exploration, Inc. pursuant to Section 5.16 of the Texas Business Corporation Act (the 'Merger'), effective as of 4:55 P.M., Dallas, Texas time, on December 31, 1995, and that Enserch Exploration, Inc. assume all of the obligations of DALEN at such time; and

"FURTHER RESOLVED, That the proper officers of this Company are hereby authorized and empowered to file with the Secretary of State of the State of Texas Articles of Merger and with the Secretary of State of Delaware a Certificate of Ownership and Merger to effect the Merger of DALEN into this Company and to take, or cause to be taken, all such further action and to execute and deliver or cause to be executed and delivered, in the name of and on behalf of this Company, all such further instruments and documents as any such officer may deem to be necessary or advisable in order to effect the purpose and intent of the foregoing resolutions and to be in the best interests of this Company (as conclusively evidenced by the taking of such action or the execution and delivery of such instruments and documents, as the case may be, by or under the direction of any such officer)."

3. The number of outstanding shares of each class of the Subsidiary Corporation and the number of shares of each class owned by the surviving Parent Corporation is:

Company	Class	No. of Shares Outstanding	No. of Shares Owned by Parent Corporation
Subsidiary Corporation	Common	100	100

4. The laws of Delaware, the jurisdiction under which Subsidiary Corporation is organized, permit such a merger.

Dated this 12th day of December, 1995.

ENSERCH EXPLORATION, INC.

By: J. W. Pinkerton  
Name: J. W. Pinkerton  
Title: Vice President and Controller,  
Chief Accounting Officer



# The State of Texas

## SECRETARY OF STATE

I, ANTONIO O. GARZA, JR., Secretary of State of Texas, DO HEREBY CERTIFY that Articles of Merger of **ENSERCH EXPLORATION, INC.** (Charter No. 1323890-00), a **TEXAS** corporation, and **DALEN CORPORATION**, a **DELAWARE** (No Permit) corporation, were filed in this office on **DECEMBER 19, 1995**, for which a certificate of merger was issued; and that according to the terms of the merger the surviving corporation is **ENSERCH EXPLORATION, INC.**, a **TEXAS** corporation.



*IN TESTIMONY WHEREOF, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in the City of Austin, on December 19, 1995.*

*1077.*

Antonio O. Garza, Jr.  
Secretary of State

MAC



Division of Oil, Gas and Mining  
OPERATOR CHANGE WORKSHEET

(MERGER)

Routing:

1- LEC / CHS
2- DT37-FILE
3- VLD-8-FILE
4- RJF
5- LEC
6- SJ

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold) ☐ Designation of Agent  
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-1-96)

TO (new operator)	<u>ENSERCH EXPLORATION INC</u>	FROM (former operator)	<u>DALEN RESOURCES OIL &amp; GAS</u>
(address)	<u>4849 GREENVILLE AVE STE 1200</u>	(address)	<u>6688 N CENTRAL EXP #1000</u>
	<u>DALLAS TX 75206</u>		<u>DALLAS TX 75206-3922</u>
	<u>CINDY KEISTER</u>		<u>CINDY KEISTER</u>
	phone <u>(214) 987-6353</u>		phone <u>(214) 987-6353</u>
	account no. <u>N4940 (1-29-96)</u>		account no. <u>N3300</u>

Well(s) (attach additional page if needed):

Name: <b>** SEE ATTACHED **</b>	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 1-22-96)*
2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 1-22-96)*
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: #171513. *(cf. 1-4-95)*
4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(2-12-96)*
6. Cardex file has been updated for each well listed above. *(2-12-96)*
7. Well file labels have been updated for each well listed above. *(2-12-96)*
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(2-12-96)*
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

### ENTITY REVIEW

- Le 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (~~Fee wells only~~) *Trust lands / Bond & lease update in progress!*

- Le 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A 2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date                      19    . If yes, division response was made by letter dated                      19    .

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated                      19    , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

### FILMING

- VDR 1. All attachments to this form have been microfilmed. Date: March 14 1996.

### FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

960212 Blm/SL Appr. & H. 12-31-95.

**STATE OF UTAH**  
**DIVISION OF OIL, GAS AND MINING**

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

Page 4 of 4

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

DEBYE YADON  
 ENSERCH EXPLORATION INC  
 6688 N CENTRAL EXP #1000  
 DALLAS TX 75206-3922

UTAH ACCOUNT NUMBER: N4940

REPORT PERIOD (MONTH/YEAR): 9 / 96

AMENDED REPORT ☐ (Highlight Changes)

Well Name				Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location					OIL(BBL)	GAS(MCF)	WATER(BBL)
FEDERAL 15-24B									
4304732420	11509	09S	19E 24	GRRV					
FEDERAL 5-24B									
4304732447	11585	09S	19E 24	GRRV					
STATE 31-32									
4304732500	11645	08S	18E 32	GRRV					
FEDERAL 41-29									
4304732495	11646	09S	18E 29	GRRV					
FEDERAL 21-9H									
4301331458	11676	09S	17E 9	GRRV					
FEDERAL 14-9H									
4301331459	11677	09S	17E 9	GRRV					
FEDERAL 21-8H									
4301331460	11687	09S	17E 8	GRRV					
FEDERAL 3-24B									
4304732671	11854	09S	19E 24	GRRV					
→ Federal 1-26B ←									
4304732248	11380	9S	19E 26	WSTC / G1W					
TOTALS									

COMMENTS: \_\_\_\_\_

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

IN REPLY REFER TO  
UT-931

October 3, 1996

CNG Producing Company  
1450 Poydras Street  
New Orleans, Louisiana 70112-6000

Re: West Willow Creek Unit  
Uintah County, Utah

Gentlemen:

On October 2, 1996, we received an indenture dated September 24, 1996, whereby Enserch Exploration, Inc. resigned as Unit Operator and CNG Producing Company was designated as Successor Unit Operator for the West Willow Creek Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the West Willow Creek Unit Agreement. The instrument is hereby approved effective October 3, 1996.

Your nationwide (Wyoming) oil and gas bond No. 1898 will be used to cover all operations within the West Willow Creek Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

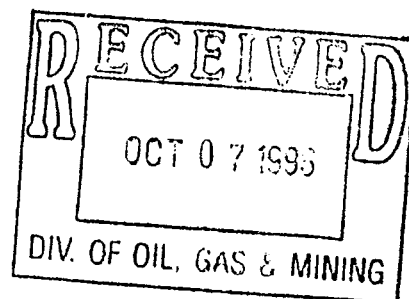
Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Group Leader, Mineral Resources Group

Enclosure

bcc: District Manager - Vernal (w/enclosure)  
Division of Oil, Gas & Mining  
Minerals Adjudication Group  
File - West Willow Creek Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron  
Fluid Chron



WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM UTU73218A		WEST WILLOW CREEK GR A						
UTU73218A	430473224800S1	1-26B	NENE	26 9S	19E	GIW	UTU68625	ENSERCH EXPLORATION INC
UTU73218A	430473222300S1	11-24B	NESW	24 9S	19E	POW	UTU68625	ENSERCH EXPLORATION INC
UTU73218A	430473241800S1	13-24B	SWSW	24 9S	19E	OSI	UTU68625	ENSERCH EXPLORATION INC
UTU73218A	430473242000S1	15-24B	SWSE	24 9S	19E	POW	UTU68625	ENSERCH EXPLORATION INC
UTU73218A	430473267100S1	3-24B	NENW	24 9S	19E	POW	UTU68625	ENSERCH EXPLORATION INC
UTU73218A	430473241700S1	3-25B	NENW	25 9S	19E	POW	UTU39221	ENSERCH EXPLORATION INC
UTU73218A	430473244700S1	5-24B	SWNW	24 9S	19E	POW	UTU68625	ENSERCH EXPLORATION INC
UTU73218A	430473040600S1	7-25	SWNE	25 9S	19E	POW	UTU39221	ENSERCH EXPLORATION INC

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. -

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other Gas Injection Well

2. Name of Operator

Enserch Exploration, Inc.

3. Address and Telephone No.

6688 N. Central Expwy., Suite 1000, Dallas, TX 75206

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

800' FNL & 712' FEL NE/4 NE/4 Section 26, T9S-R19E

5. Lease Designation and Serial No.

UTU-68625

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

West Willow Creek

8. Well Name and No.

Federal #1-26B

9. API Well No.

43-047-32248

10. Field and Pool, or Exploratory Area

West Willow Creek

11. County or Parish, State

Uintah County, Utah

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment

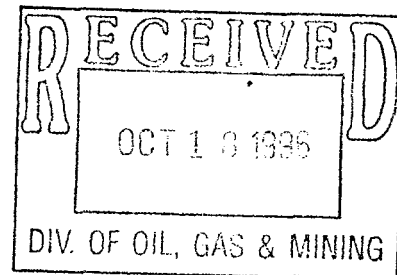
TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Change of Operator  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Enserch Exploration, Inc. has sold its interest in the Federal #1-26B to CNG Producing Company and relinquishes operations effective September 7, 1996. CNG Producing Company operates under BLM Nationwide Bond No. WY-1898.



14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title Production Analyst Date 10/15/1996

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

CC: Utah DOGM

**CNG Producing  
Company**

A **CNG** COMPANY

CNG Tower  
1450 Poydras Street  
New Orleans, LA 70112-6000  
(504) 593-7000

October 30, 1996

Ms. Lisha Cordova  
Utah Board of Oil Gas & Mining  
355 West North Temple  
3 Triad Center - Suite 350  
Salt Lake City, Utah 84180-1203

RE: Transfer of Operator for  
West Willow Creek

Dear Ms. Cordova:

Attached please find a Sundry Notice Report requesting Change of Operator to CNG Producing Company for each of the following wells within the West Willow Creek Unit:

WWC 3-24B	Sec. 24-T9S-R19E	WWC 15-24B	Sec. 24-T9S-R19E
WWC 5-24B	Sec. 24-T9S-R19E	WWC 3-25B	Sec. 25-T9S-R19E
WWC 11-24B	Sec. 24-T9S-R19E	WWC 7-25B	Sec. 25-T9S-R19E
WWC 13-24B	Sec. 24-T9S-R19E	WWC 1-26B	Sec. 26-T9S-R19E

Also attached are Sundry Notices for the remaining wells outside the unit participating area:

FED 33-18J	Sec. 18-T9S-R19E	STATE 5-36B	Sec. 36-T9S-R19E
FED 13-26B	Sec. 26-T9S-R19E	STATE 9-36A	Sec. 36-T9S-R18E
STATE 2-32B	Sec. 32-T9S-R19E	STATE 9-36B	Sec. 36-T9S-R19E

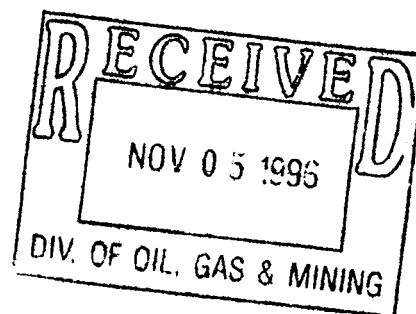
These reports are being filed in triplicate for your convenience. If you have any questions or need further information, please contact me at (504) 593-7260. Thank you for your cooperation in this matter.

Sincerely,

*Susan H. Sachitana*

Susan H. Sachitana  
Coordinator, Regulatory Reports

cc: Wayne Bankart - BLM  
Ed Amrock  
Ann Burnside  
Scot Childress  
Brian Coffin  
Virginia Corpening  
Nelda Decker  
Well History Files



# CNG Producing Company


---

CNG Tower - 1450 Poydras Street  
New Orleans, Louisiana 70112-6000  
(504) 593-7260  
Fax: (504) 593-7452

---

## FAX TRANSMISSION COVER SHEET

---

**Date:** November 7, 1996  
**To:** Ms. Lisha Cordova  
**Fax:** (801) 359-3940  
**Re:** Transfer of Authority to Inject Form UIC 5  
**Sender:** Susan H. Sachitana 

---

**YOU SHOULD RECEIVE 2 PAGE(S), INCLUDING THIS COVER SHEET. IF  
YOU DO NOT RECEIVE ALL THE PAGES, PLEASE CALL (504) 593-7260.**

---

Dear Lisha:

Attached is executed form UIC 5 Transfer of Authority to Inject for the Federal #1-26B. This form has been signed by both CNG Producing Company and Enserch Exploration.

If you need any further information, please call me at (504) 593-7260. Thank you for your help in making this transfer of ownership a smooth one.

Sincerely,

Susan Sachitana



DIVISION OF OIL, GAS AND MINING

## TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: Federal #1-26A  
Field or Unit name: Wear Willow Creek API no. 42-047-32248  
Well location: QQ NE NE section 26 township 9S range 19E county Winnebago  
Effective Date of Transfer: 9/7/96

## CURRENT OPERATOR

Transfer approved by:

Name Jim Ball Company Enserch Exploration, Inc.  
Signature [Signature] Address 4849 Greenville Ave. - Suite 1200  
Title Vice-President, Production & Engineering Dallas, TX 75206  
Date November 6, 1996 Phone (214) 987-7834

Comments:

## NEW OPERATOR

Transfer approved by:

Name A. D. (Dave) Fleming Company CNG Producing Company  
Signature [Signature] Address CNG Tower - 1450 Poydras Street  
Title Vice-President, Production New Orleans, LA 70112-6000  
Date November 5, 1996 Phone (504) 593-7208

Comments:

(State use only)

Transfer approved by [Signature] Title Enserch ManagerApproval Date 11-12-96

\*961113 Appr. copy mailed to both operators. Jec

**OPERATOR CHANGE WORKSHEET**

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

1-LEC	6-1-EC
2-GLH	7-KDR
3-DPS	8-SJ
4-VLD	9-FILE
5-RJF	

☒ Change of Operator (well sold)☐ Designation of Agent☐ Designation of Operator☐ Operator Name Change OnlyThe operator of the well(s) listed below has changed, effective: 10-3-96

TO: (new operator) CNG PRODUCING  
 (address) CNG TOWER-1450 POYDRAS ST  
NEW ORLEANS LA 70112-6000

FROM: (old operator) ENSERCH EXPLORATION INC  
 (address) 6688 N CENTRAL EXP #1000  
DALLAS TX 75206-3922

Phone: (504) 593-7622  
 Account no. N0605

Phone: (214) 692-4440  
 Account no. N4940

WELL(S) attach additional page if needed: **WEST WILLOW CREEK UNIT****\*\*GIW**

→ Name: <b>FEDERAL 1-26B/WSTC</b>	API: <b>43-047-32248</b>	Entity: <b>11380</b>	S <b>26</b>	T <b>9S</b>	R <b>19E</b>	Lease: <b>UTU68625</b>
Name: <b>FEDERAL 11-24B/GRRV</b>	API: <b>43-047-32223</b>	Entity: <b>11375</b>	S <b>24</b>	T <b>9S</b>	R <b>19E</b>	Lease: <b>UTU68625</b>
Name: <b>FEDERAL 13-24B/GRRV</b>	API: <b>43-047-32418</b>	Entity: <b>11507</b>	S <b>24</b>	T <b>9S</b>	R <b>19E</b>	Lease: <b>UTU68625</b>
Name: <b>FEDERAL 15-24B/GRRV</b>	API: <b>43-047-32420</b>	Entity: <b>11509</b>	S <b>24</b>	T <b>9S</b>	R <b>19E</b>	Lease: <b>UTU68625</b>
Name: <b>FEDERAL 3-24B/GRRV</b>	API: <b>43-047-32671</b>	Entity: <b>11854</b>	S <b>24</b>	T <b>9S</b>	R <b>19E</b>	Lease: <b>UTU68625</b>
Name: <b>FEDERAL 3-25B/WSTC</b>	API: <b>43-047-32417</b>	Entity: <b>11465</b>	S <b>25</b>	T <b>9S</b>	R <b>19E</b>	Lease: <b>U39221</b>
Name: <b>FEDERAL 5-24B/GRRV</b>	API: <b>43-047-32447</b>	Entity: <b>11585</b>	S <b>24</b>	T <b>9S</b>	R <b>19E</b>	Lease: <b>UTU68625</b>
<b>RBU 7-25B/GRRV</b>	<b>43-047-30406</b>	<b>9040</b>	<b>25</b>	<b>9S</b>	<b>19E</b>	<b>UTU39221</b>

**OPERATOR CHANGE DOCUMENTATION**

- 1 1. (r649-8-10) Sundry or other legal documentation has been received from the FORMER operator (attach to this form). (Rec'd 10-18-96)
- 2 2. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). (Reg. 10-7-96) (Reg. 10-29-96) (Rec'd 10-31-96)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_
- 4 4. FOR INDIAN AND FEDERAL WELLS ONLY. The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
- 5 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. (11-7-96) \* UIC - Quattro E. DBASE
- 6 6. Cardex file has been updated for each well listed above. (11-7-96)
- 7 7. Well file labels have been updated for each well listed above. (11-7-96)
- 8 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (11-7-96)
- 9 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

## ENTITY REVIEW

- Yes 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) yes If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- Yes 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

## BOND VERIFICATION - (FEE WELLS ONLY)

- N/A 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
- Yes 2. A copy of this form has been placed in the new and former operator's bond files.
3. The **FORMER** operator has requested a release of liability from their bond (yes/no)     , as of today's date     . If yes, division response was made to this request by letter dated     .

## LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A 1. Copies of documents have been sent on      to      at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.

## FILMING

- Yes 1. All attachments to this form have been microfilmed. Today's date: 12-30-96.

## FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form, and the original attachments are now being filed in the Operator Change file.

## COMMENTS

961009 BLM /SL App. eff. 10-3-96.  
961107 Rec'd WIC F5.

Form 3160-5  
(NOVEMBER 1994)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0135  
EXPIRES: July 31, 1996SUNDRY NOTICES AND REPORTS ON WELLS  
Do not use this form for proposals to drill or to deepen or re-enter an  
abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instruction on reverse side

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Serial No. UTU-68625
2. Name of Operator CNG PRODUCING COMPANY	6. If Indian, Allottee or Tribe Name
3a. Address 1450 POYDRAS ST, NEW ORLEANS, LA 70112-6000	7. If Unit or CA Agreement, Name and/or No. WEST WILLOW CREEK
3b. Phone No. (Include area code) (504) 593-7000	8. Well Name and No. 1-26B
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 800' FNL & 712' FEL of Sec. 26-T9S-R19E	9. API Well No. 43-047-32248
	10. Field and Pool, or Exploratory Area GREEN RIVER
	11. County or Parish, State UINTAH, UTAH

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandonment	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation have been completed, and the operator has determined that the site is ready for final inspection.)

CNG Producing Company has purchased the working interest in the above referenced well from Enserch Exploration, Inc. effective 9/7/96. CNG Producing Company request at this time to be named operator of this well effective 9/7/96.

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) SUSAN H. SACHITANA	Title COORDINATOR, REGULATORY REPORTS
Signature <i>Susan H. Sachitana</i>	Date 961030
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved by	Title Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR CNG PRODUCING  
ADDRESS \_\_\_\_\_  
\_\_\_\_\_

OPERATOR ACCT. NO. N 0605

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D	11585	12029	43-047-32447	FEDERAL 5-24B		24	9S	19E	UINTAH		10-3-96
WELL 1 COMMENTS: <b>*PER OPERATOR; GROUP WELLS TOGETHER UNDER A COMMON ENTITY NUMBER FOR REPORTING PURPOSES. (WEST WILLOW CREEK UNIT)</b>											
D	11854	12029	43-047-32671	FEDERAL 3-24B		24	9S	19E	UINTAH		10-3-96
WELL 2 COMMENTS:											
D	11380	12029	43-047-32248	FEDERAL 1-26B (GIW)		26	9S	19E	UINTAH		10-3-96
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

- ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
  - B - Add new well to existing entity (group or unit well)
  - C - Re-assign well from one existing entity to another existing entity
  - D - Re-assign well from one existing entity to a new entity
  - E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

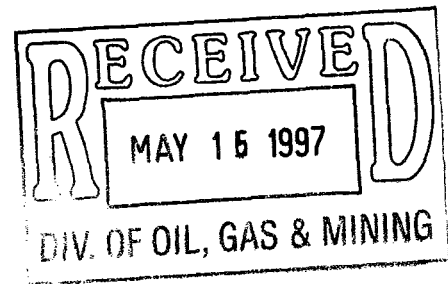
L. CORDOVA (DOGM)  
Signature  
ADMIN. ANALYST 11-7-96  
Title Date  
Phone No. ( )

CNG Producing  
Company

A CNG COMPANY

CNG Tower  
1450 Poydras Street  
New Orleans, LA 70112-6000  
(504) 593-7000

May 14, 1997



Mr. Wayne Bankart  
Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078

RE: Static Pressure Survey  
WWC Federal 1-26B

*inj.*

*Sec. 26, T. 9S, R. 19E  
Uintah Co.*

Dear Wayne:

*APE No. 43-047-32248*

Per your request, attached are two static pressure surveys for the above referenced well. These surveys were done as part of a 90 day monitoring period as approved by the BLM.

If you have any questions or need any additional information, please feel free to contact me at (504) 593-7260 or Ralph Hamrick at (281) 873-1562.

Sincerely,

CNG PRODUCING COMPANY

*Susan H. Sachitana*  
Susan H. Sachitana  
Coordinator, Regulatory Reports

Enclosure

cc: Utah Board of Oil, Gas & Mining  
Ralph Hamrick  
Nelda Decker  
Mitch Hall  
Well History



1340 EAST 1100 SOUTH / VERNAL, UT 84078 / (801) 789-6940

## STATIC PRESSURE SURVEY

COMPANY: CNG Producing Co.

FIELD: . . . : West Willow Creek Unit

WELL NO. : WWC Federal 1-26B

DATE . . . . : 04/01/97

KB ELEVATION: 4681.00

GL ELEVATION: 4666.00

PERFS. . . . . : 4628'-4674'

FLUID LEVEL . . : N/A

SHUT-IN DATE.: ..N/A

PLS JOB NO. . . : 19980-A

SURFACE PRESSURE . . : 1667.7143 PSIG

RAN BOMB TO . . . . . : 4575.00

MEASURED PRESSURE : 1888.5714 PSIG

STOPS . . . . . :	DEPTH	PRESSURE
	4575.00	1888.5714 PSIG
	4000.00	1860.2857 PSIG
	3000.00	1814.5714 PSIG
	2000.00	1766.2857 PSIG
	1000.00	1716.5714 PSIG
	SURFACE	1667.7143 PSIG

\*\*\*\*\*  
\* PRODUCTION LOGGING SERVICES, INC. \*  
\* VERNAL, UTAH 84078 \*  
\* (801) 789-6940 \*  
\*\*\*\*\*

COMPANY NAME .....: CNG PRODUCING CO.  
DATE .....: 04/01/97  
WELL I.D. ....: WWC FEDERAL 1-26B  
FIELD I.D. ....: WEST WILLOW CREEK UNIT  
ENGINEER .....: ANDREWS

=====:  
K.B. ELEVATION .....: 4681.00  
G.L. ELEVATION .....: 4666.00  
DATUM .....: N/A  
CASING SIZE .....: 4-1/2" 11.6#  
TOP PERF .....: 4628.00  
BOTTOM PERF .....: 4674.00  
NET SAND THICKNESS .: N/A

=====:  
BOMB HUNG AT .....: 4575'  
FLUID GRADIENT .....: N/A  
INJECTION RATE .....: N/A  
INJECTION PRESSURE .: N/A  
PRESSURE AT SWI .....: N/A  
PRESSURE AT EOS .....: N/A

COMMENTS.....:

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.



\*\*\*\*\*  
 \* PRODUCTION LOGGING SERVICES, INC. \*  
 \* VERNAL, UTAH 84078 \*  
 \* (801) 789-6940 \*  
 \*\*\*\*\*

COMPANY NAME...: CNG PRODUCING CO.  
 DATE .....: 04/01/97  
 WELL I.D. ....: WWC FEDERAL 1-26B  
 FIELD I.D. ....: WEST WILLOW CREEK UNIT  
 RUN # .....: 1  
 ENGINEER .....: ANDREWS  
 ZERO REFERENCE: SURFACE  
 START DATE ....: 04/01/97  
 START TIME ....: 09:32:00  
 WELL STATUS....: STATIC BHP SURVEY  
 GAUGE INFO:  
 I.D. ....: KUSTER PRESSURE GAUGE  
 SERIAL #.....: 11157  
 RANGE.....: 5700 PSIG @ 175½F

COMMENTS .....: GAUGE RAN TO 4575'

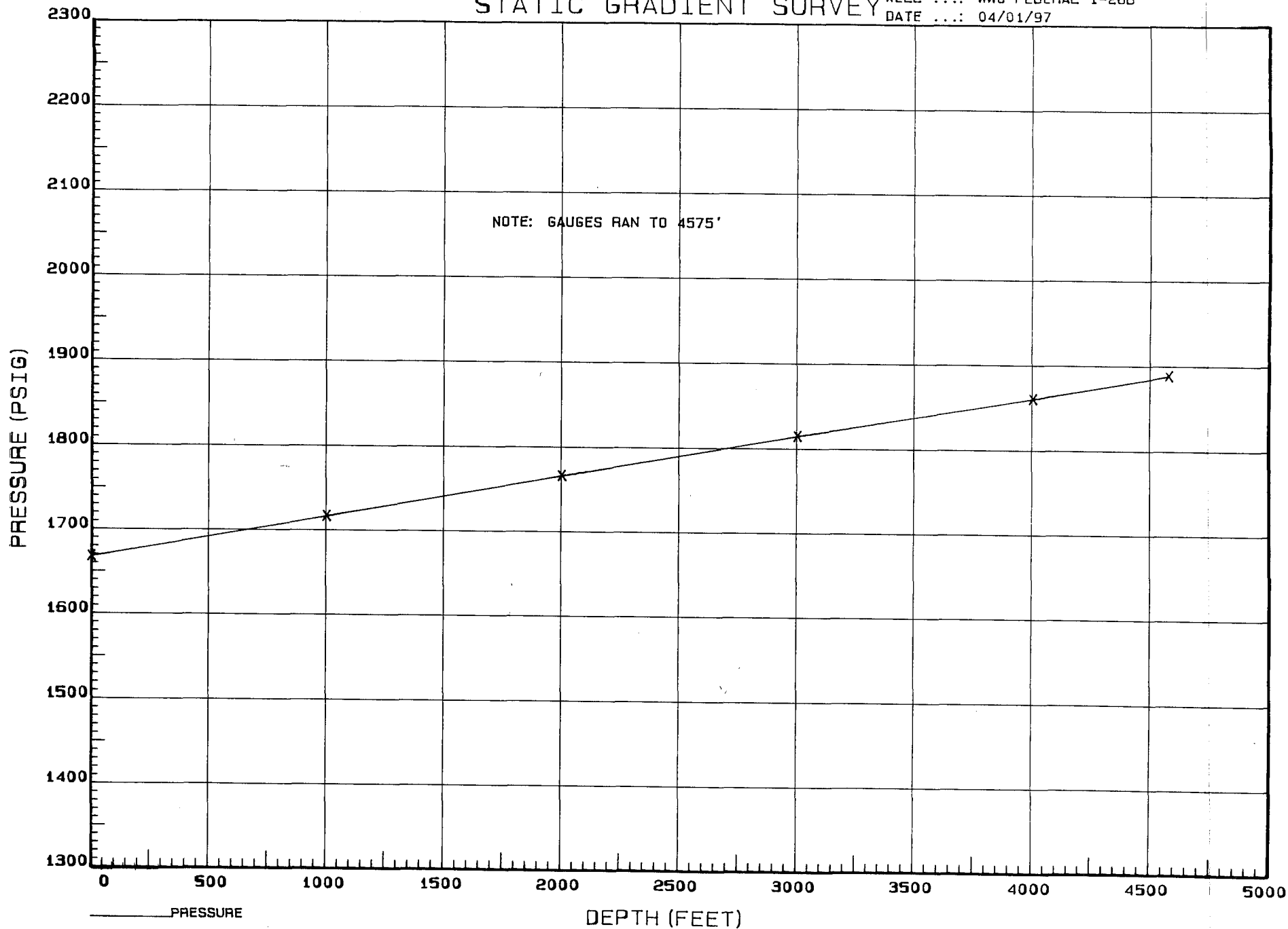
FILE # .....: 13

NO.	DEPTH FEET	dD	PSIG	PRESSURE dP	GRADIENT
1	0.0000	+0.0000	1667.7143	+0.000	+0.000
2	1000.0000	+1000.0000	1716.5714	+48.857	+0.049
3	2000.0000	+1000.0000	1766.2857	+49.714	+0.050
4	3000.0000	+1000.0000	1814.5714	+48.286	+0.048
5	4000.0000	+1000.0000	1860.2857	+45.714	+0.046
6	4575.0000	+575.0000	1888.5714	+28.286	+0.049

\*\*\*\*\* end data \*\*\*\*\*

COMPANY : CNG PRODUCING CO.  
FIELD .. WEST WILLOW CREEK UNIT  
WELL ... WWC FEDERAL 1-26B  
DATE ... 04/01/97

# STATIC GRADIENT SURVEY





1340 EAST 1100 SOUTH / VERNAL, UT 84078 / (801) 789-6940

## STATIC PRESSURE SURVEY

COMPANY: CNG Producing Co.

FIELD: . . . : West Willow Creek Unit

WELL NO. : WWC Federal 1-26B

DATE . . . . : 04/28/97

KB ELEVATION: 4681.00

GL ELEVATION: 4666.00

PERFS. . . . . : 4628'-4674'

FLUID LEVEL . . : N/A

SHUT-IN DATE: .N/A

PLS JOB NO. . : 20756

SURFACE PRESSURE . . : 1632 PSIG (With CNG's digital pressure gauge)

RAN BOMB TO . . . . . : 4575.00

MEASURED PRESSURE : 1858.85 PSIG

STOPS . . . . . :	DEPTH	PRESSURE
	4575.00	1858.85 PSIG
	4000.00	1831.11 PSIG
	3000.00	1786.48 PSIG
	2000.00	1741.47 PSIG
	1000.00	1692.79 PSIG
	SURFACE	1654.42 PSIG

\*\*\*\*\*  
\* PRODUCTION LOGGING SERVICES, INC. \*  
\* VERNAL, UTAH 84078 \*  
\* (801) 789-6940 \*  
\*\*\*\*\*

COMPANY NAME .....: CNG PRODUCING CO.  
DATE .....: 04/28/97  
WELL I.D. ....: WWC FEDERAL 1-26B  
FIELD I.D. ....: WEST WILLOW CREEK UNIT  
ENGINEER .....: ANDREWS  
=====:  
K.B. ELEVATION .....: 4681.00  
G.L. ELEVATION .....: 4666.00  
DATUM .....: N/A  
CASING SIZE .....: 4-1/2" 11.6#  
TOP PERF .....: 4628.00  
BOTTOM PERF .....: 4674.00  
NET SAND THICKNESS ..: N/A  
=====:  
BOMB HUNG AT .....: 4575'  
FLUID GRADIENT .....: N/A  
INJECTION RATE .....: N/A  
INJECTION PRESSURE ..: N/A  
PRESSURE AT SWI .....: N/A  
PRESSURE AT EOS .....: N/A  
  
COMMENTS.....:

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.

\*\*\*\*\*  
 \* PRODUCTION LOGGING SERVICES, INC. \*  
 \* VERNAL, UTAH 84078 \*  
 \* (801) 789-6940 \*  
 \*\*\*\*\*

COMPANY NAME...: CNG PRODUCING CO.  
 DATE .....: 04/28/97  
 WELL I.D. ....: WWC FEDERAL 1-26B  
 FIELD I.D. ....: WEST WILLOW CREEK UNIT  
 RUN # .....: 1  
 ENGINEER .....: ANDREWS  
 ZERO REFERENCE: SURFACE  
 START DATE ....: 04/28/97  
 START TIME ....: 08:37:00  
 WELL STATUS....: STATIC BHP SURVEY  
 GAUGE INFO:  
 I.D. ....: -----  
 SERIAL #.....: -----  
 RANGE.....: -----

COMMENTS .....: GAUGE RAN TO 4575'

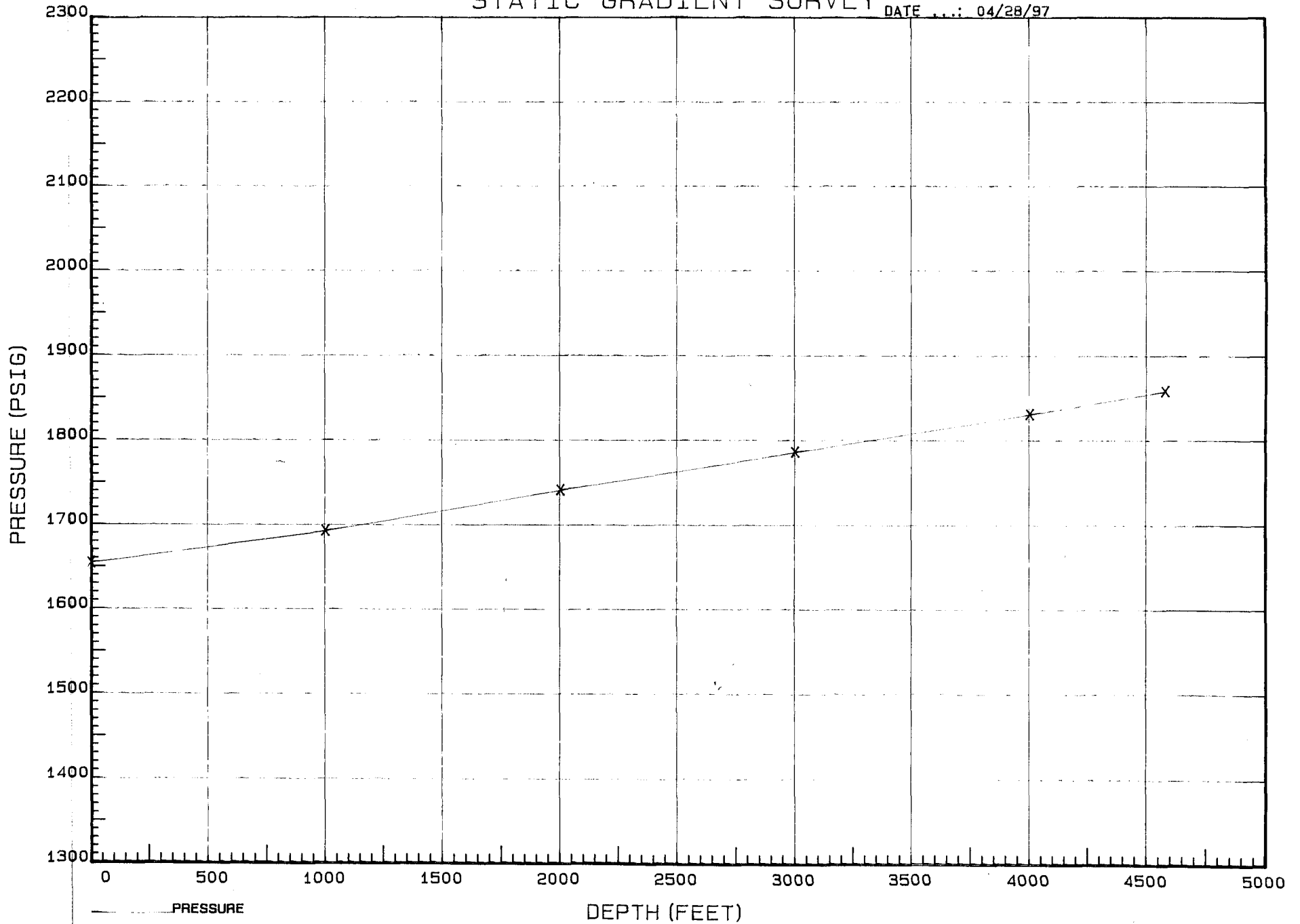
FILE # .....: 2

NO.	DEPTH FEET	dD	PSIG	PRESSURE dP	GRADIENT
1	0.0000	+0.0000	1654.4200	+0.000	+0.000
2	1000.0000	+1000.0000	1692.7900	+38.370	+0.038
3	2000.0000	+1000.0000	1741.4700	+48.680	+0.049
4	3000.0000	+1000.0000	1786.4800	+45.010	+0.045
5	4000.0000	+1000.0000	1831.1100	+44.630	+0.045
6	4575.0000	+575.0000	1858.8500	+27.740	+0.048

\*\*\*\*\* end data \*\*\*\*\*

COMPANY : CNG PRODUCING CO.  
FIELD .. WEST WILLOW CREEK UNIT  
WELL ... WWC FEDERAL 1-26B  
DATE ... 04/28/97

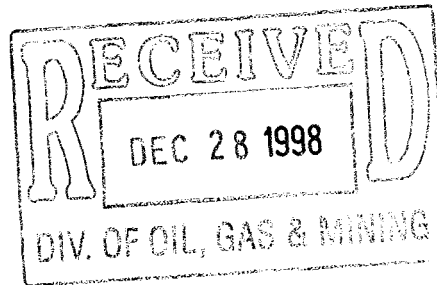
# STATIC GRADIENT SURVEY



CNG Producing  
Company

- CNG

December 22, 1998



Mr. Wayne Bankart  
Dept. of the Interior  
Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

RE: West Willow Creek  
Compressor Installation

Dear Wayne:

Enclosed please find our sundry requesting permission to replace the compressor at the WWC 1-26B well. The existing compressor is a 775 hp Waukesha / Ariel which CNG Producing Company is renting. We would like to replace it with a smaller 360 HP lean burn or catalytic converter equipment low emission natural gas compressor. These forms are being filed in triplicate for your records.

CNG Producing Company would like to begin installation sometime the end of January, 1999 to early February, 1999.

Should you have any questions or need any further information, please feel free to contact me at (504) 593-7260.

Sincerely,

*Susan H. Sachitana*  
Susan H. Sachitana  
Regulatory Reports Administrator

Enclosure

cc: Utah Board of Oil Gas & Mining  
Nelda Decker  
Mitch Hall  
Ralph Hamrick  
Well History Files

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
EXPIRES: July 31, 1996

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or to deepen or re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other instruction on reverse side**

5. Lease Serial No.

UTU-68625

6. If Indian, Allottee or Tribe Name

7. If Unit or CAI Agreement, Name and/or No.  
WEST WILLOW CREEK

8. Well Name and No.  
1-26B

9. API Well No.  
43-047-32248

10. Field and Pool, or Exploratory Area  
GREEN RIVER

11. County or Parish, State  
UINTAH, UTAH

1. Type of Well  
☐ Oil Well ☐ Gas Well ☒ Other - Compressor Installation

2. Name of Operator  
CNG PRODUCING COMPANY

3a. Address  
1450 POYDRAS ST, NEW ORLEANS, LA 70112-6000

3b. Phone No. (include area code)  
(504) 593-7000

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

800' FNL & 712' FEL of Sec. 26-T9S-R19E (Approximately)

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

**TYPE OF ACTION**

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Compressor Installation
<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandonment	<input type="checkbox"/> Temporarily Abandon	
<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13 Describe Proposed or Completed Operations (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof.

If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation have been completed, and the operator has determined that the site is ready for final inspection.)

CNG Producing Company plans to replace the current 3 stage 775 HP Waukesha / Ariel compressor with a 360 HP lean burn or catalytic converter equipment with low emission natural gas compressor. This compressor will be configured to compress 2.5 MMCFD from 25 PSI suction inlet pressure and discharging pressure of 300 - 400 PSI. CNG will place the compressor inside an existing enclosure with a concrete base on the WWC 1-26B location.

CNG plans to begin the compressor installation at the end of January or early February, 1999.

14. I hereby certify that the forgoing is true and correct  
Name (Printed/Typed)

SUSAN H. SACHITANA

Signature

*Susan H. Sachitana*

Title

REGULATORY REPORTS ADMINISTRATOR

Date

981222

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

Federal Approval of this  
Action is Necessary

COPY SENT TO OPERATOR  
Date: 1-5-99  
Initials: CHD



**CNG Producing  
Company**

A **CNG** COMPANY

CNG Tower  
1450 Polaris Street  
New Orleans, LA 70112-8000  
(504) 593-7000

October 19, 1999

Mr. Wayne Bankart  
Dept. of the Interior  
Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

RE: Methanol Storage Tank  
Federal 1-26B

Dear Wayne:

Enclosed please find an original and two copies of our sundry notice requesting permission to install a 500 gallon methanol storage tank at the Federal 1-26B well location. The storage tank is required since the methanol is needed to pump into the gas lines to keep them from freezing.

CNG Producing Company would like to begin the installation as soon as possible to ensure that the tank is in place before the winter freeze arrives. Anything you can do to expedite approval of this sundry would be greatly appreciated.

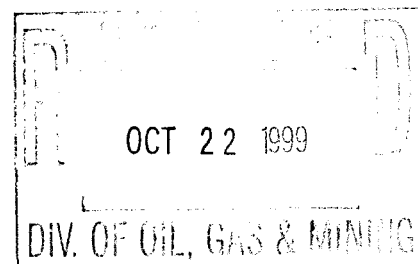
If you have any questions or need any further information, please feel free to contact me at (504) 593-7260 or our District Manager, Mitch Hall, at (435) 722-4521. Thank you for your continued help and cooperation.

Sincerely,

*Susan H. Sachitana*

Susan H. Sachitana  
Regulatory Reports Administrator

cc: Utah Board of Oil, Gas & Mining  
Nelda Decker  
Mitch Hall  
Well History Files



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
EXPIRES: July 31, 1996

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to deepen or re-enter an  
abandoned well. Use form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other instruction on reverse side**

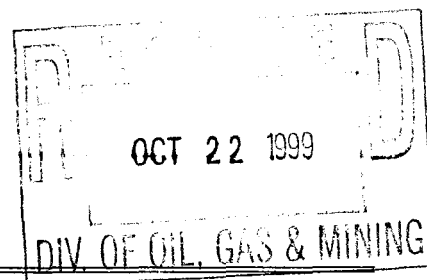
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU-68625
2. Name of Operator CNG PRODUCING COMPANY		6. If Indian, Allottee or Tribe Name
3a. Address 1450 POYDRAS ST, NEW ORLEANS, LA 70112-6000	3b. Phone No. (include area code) (504) 593-7000	7. If Unit or CA/ Agreement, Name and/or No. WEST WILLOW CREEK
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 830 800' FNL & 712' FEL of Sec. 26-T9S-R19E		8. Well Name and No. FED 1-26B
		9. API Well No. 43-047-32248
		10. Field and Pool, or Exploratory Area GREEN RIVER
		11. County or Parish, State UINTAH, UTAH

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other <u>INSTALL METHANOL STORAGE TANK</u>
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandonment <input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation have been completed, and the operator has determined that the site is ready for final inspection.)

CNG Producing Company request permission to install a 500 gallon methanol storage tank at the Federal 1-26B well site. A earthen berm will be built around the storage tank to comply with BLM regulations. The methanol will be hauled from Great Western and kept in the storage tank. The methanol will then be hauled to individual wells as needed to pump into the gas lines to prevent them from freezing.



14. I hereby certify that the forgoing is true and correct Name (Printed/Typed) SUSAN H. SACHITANA	Title REGULATORY REPORTS ADMINISTRATOR
Signature <i>Susan H. Sachitana</i>	Date 991019

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

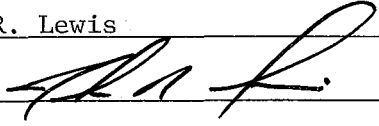
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.		

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: Federal #1-26B  
Field or Unit name: West Willow Creek API no. 43-047-32248  
Well location: QQ NE NEsection 26 township 9S range 19E county Uintah  
Effective Date of Transfer: 4/12/2000

CURRENT OPERATOR

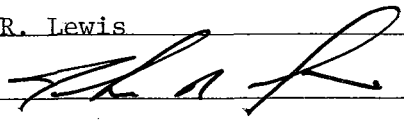
Transfer approved by:

Name John R. Lewis Company CNG Producing Company  
Signature  Address 1450 Poydras Street  
Title Sr. Vice-President & General Manager New Orleans, LA 70112-6000  
Date June 27, 2000 Phone ( 504 ) 593-7000

Comments:

NEW OPERATOR

Transfer approved by:

Name John R. Lewis Company Dominion Exploration & Production, Inc.  
Signature  Address 1450 Poydras Street  
Title Sr. Vice-President & General Manager New Orleans, LA 70112-6000  
Date June 27, 2000 Phone ( 504 ) 593-7000

Comments:

(State use only)

Transfer approved by  Title Tech Services Manager

Approval Date 7-18-00 Well is due for a mechanical integrity test.



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

In Reply Refer To:

3100  
U-01470-A et al  
(UT-932)

JUN 2 2000

### NOTICE

Dominion Exploration & Production, Inc. : Oil and Gas Leases  
1450 Poydras Street :  
New Orleans, LA 70112-6000 :

#### Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of CNG Producing Company to Dominion Exploration & Production, Inc. on Federal oil and gas leases.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. The exhibit was compiled from your list of leases and a list of leases obtained from our automated records system. We have not abstracted the lease files to determine if the entity affected by the name change holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the name change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

The following lease on your list is closed on the records of this office: U-029277.

Due to the name change, the name of the principal on the bond is required to be changed from CNG Producing Company to Dominion Exploration & Production, Inc. on Bond No. 524 7050 (BLM Bond No. WY1898). You may accomplish this name change either by consent of the surety on the original bond or by a rider to the original bond. Otherwise, a replacement bond with the new name should be furnished to the Wyoming State Office.

/s/ Robert Lopez

Robert Lopez  
Chief, Branch of  
Minerals Adjudication

Enclosure  
Exhibit of Leases

**RECEIVED**

JUN 05 2000

DIVISION OF  
OIL, GAS AND MINES

cc: Wyoming State Office  
New Mexico State Office  
Moab Field Office  
Vernal Field Office  
MMS—Reference Data Branch, MS 3130, Box 5860, Denver, CO 80217  
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC, UT 84114-5801  
Irene Anderson (UT-932)  
Teresa Thompson (UT-931)  
LaVerne Steah (UT-942)

EXHIBIT A  
OIL & GAS LEASES AFFECTED BY THE NAME CHANGE

U-01470-A	U-017713	U-46825
U-01790	U-035316	U-62232
U-02896-A	U-037164	UTU-66743
U-03505	U-0143519	UTU-68108
U-03576	U-0143520-A	UTU-68388
U-013429-A	U-0143521-A	UTU-68625
U-013765	U-0147541	UTU-69166
U-013766	U-0147541-A	UTU-73011
U-013767	U-3405	UTU-73433
U-013769	U-7206	UTU-76499
U-013769-A	U-9803	UTU-76500
U-013769-B	U-10291	UTU-76717
U-013769-C	U-16544	UTU-76718
U-013792	U-19266	
U-013793	U-28203	U-60759 (CA)
U-013793-A	U-29784	U-60940 (CA)
U-013794	U-30693	UTU-77360 (CA)
U-013818-A	U-37246	U-63054X (River Bend)
U-013820	U-39221	UTU-73218X
U-013821-A	U-43156	(West Willow Creek Unit)



**State of Utah**  
DEPARTMENT OF COMMERCE  
Division of Corporations & Commercial Code

**Application To Amend The  
CERTIFICATE OF AUTHORITY OR  
REGISTRATION of**

CNG Producing Company  
Business Entity Name

Delaware  
Name of Home State

Check Appropriate Box	
<input checked="" type="checkbox"/>	Foreign Profit Corporation \$35.00
<input type="checkbox"/>	Foreign Non-Profit Corporation \$35.00
<input type="checkbox"/>	Foreign Limited Partnership \$25.00
<input type="checkbox"/>	Foreign Limited Liability Company \$35.00

File Number

**I. AMENDING THE BUSINESS NAME**

The business name is changed to: Dominion Exploration & Production, Inc.

The corporation shall use as its name in Utah: Dominion Exploration & Production, Inc.

(The corporation shall use its name as set forth on #1, unless this name is not available)

**NOTE:** If the business name has changed its name in the home state, a copy of the Certificate of Amendment or a certified copy of the amendment must accompany this application.

Check the following:

- ☒ The name of the corporation is changing its name in Utah to the new name of the corporation in the home state.  
☐ The name of the corporation is being changed in Utah to comply with Utah State Insurance Regulations.

**II. AMENDING THE DURATION OF THE BUSINESS EXISTENCE**

The businesses period of duration is changed to: \_\_\_\_\_

**III. AMENDING THE STATE OR COUNTRY OF INCORPORATION/REGISTRATION**

The corporation's state or country of incorporation/registration is changed to: \_\_\_\_\_

**IV. Other:** \_\_\_\_\_

(Limited Partnership changing General Partners, Limited Companies changing Members or Managers. Change of statement who is managing, etc.)  
Use an attached sheet if needed.

Under penalties of perjury, I declare this Application to Amend the Certificate of Authority or Registration to be, to the best of my knowledge and belief, true and correct.

Signature

Vice President & Corporate Secretary  
Title

April 20 2000

State of Utah  
Department of Commerce

Division of Corporations and Commercial Code

I hereby certify that the foregoing has been filed and approved on this 25 day of April 2000 in the office of this Division and hereby issue this Certificate thereof.

Examiner

Date



Date:

04/25/2000

Receipt Number: 22156

Amount Paid: \$50.00

STATE OF UTAH  
DIVISION OF CORPORATIONS  
AND COMMERCIAL CODE  
160 East 300 South / Box 146705  
Salt Lake City, UT 84114-6705  
Service Center: (801) 530-4849  
Web Site: <http://www.commerce.state.ut.us>

**FILED**

APR 25 2000

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

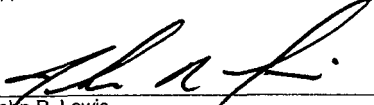
Do not use this form for proposals to drill new wells, deepen existing wells or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well : OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER:	5. Lease Designation and Serial Number: VARIOUS
2. Name of Operator: DOMINION EXPLORATION & PRODUCTION, INC.	6. If Indian, Allottee or Tribe Name:
3. Address and Telephone Number: 1460 Poydras Street, New Orleans, LA 70112-6000 (504) 593-7260	7. Unit Agreement Name:
4. Location of Well Footages: QQ, Sec, T., R., M.:	8. Well Name and Number: VARIOUS
	9. API Well Number
	10. Field and Pool, or Wildcat: Natural Buttes 630
	County: UINTAH State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
NOTICE OF INTENT (SUBMIT IN DUPLICATE)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other	<input type="checkbox"/> Abandon* <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input checked="" type="checkbox"/> Other
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recomplete <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off <u>OPERATOR NAME CHANGE FOR WELLS</u>
Approximate date work will start _____	Date of work completion _____
	Report results of Multiple Completion and Recompletion to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.
	*Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETION OPERATIONS (Clearly State all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

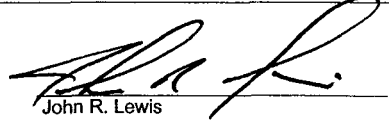
Please be advised that effective April 12, 2000, CNG Producing Company has changed its name to Dominion Exploration & Production, Inc. and would like to transfer the well permits into the name of Dominion Exploration & Production, Inc. Our new bond has been filed and is pending approval with the State of Utah. The bond number is 76S 63050 361.

  
John R. Lewis  
Sr. Vice-President - CNG Producing Company

# RECEIVED

JUN 29 2000

DIVISION OF  
OIL, GAS AND MINING

13. Name & Signature:  Title: Sr. Vice-President - Dominion Expl. & Prod., Inc. Date: June 26, 2000

(This space for State use only)



**Dominion Exploration & Production, Inc.**  
1450 Poydras Street, New Orleans, LA 70112-6000  
Phone: 504-593-7000



June 27, 2000

Mr. Jimmy Thompson  
Utah Board of Oil Gas & Mining  
1594 West North Temple  
Suite 1210  
Salt Lake City, UT 84114-5801

RE: Name Change Documentation for CNG Producing Company

Dear Mr. Thompson:

CNG Producing Company has become Dominion Exploration & Production, Inc. effective April 12, 2000. Enclosed please find a sundry regarding the name change with an attached listing of all the permits in the name of CNG Producing Company to be changed to Dominion Exploration & Production, Inc. Also enclosed please find a Form UIC 5 for the Transfer of Authority to Inject for the Federal #1-26B well.

If you have any questions or require any additional information, please contact me at (504) 593-7260.

Sincerely,

DOMINION EXPLORATION & PRODUCTION, INC.

Susan H. Sachitana  
Regulatory Reports Administrator

Enclosure

cc: Nelda Decker

**RECEIVED**

**JUN 29 2000**

**DIVISION OF  
OIL, GAS AND MINING**

## OPERATOR CHANGE WORKSHEET

Check each listed item when completed. Write N/A if item is not applicable.

1-GLH ✓	4-KAS ✓
<del>5-SP</del>	5-SP ✓
3-JLT	6-FILE

Change of Operator (Well Sold)

Designation of Agent

**X Operator Name Change Only**

Merger

The operator of the well(s) listed below has changed, effective: 4-12-00TO:(New Operator) DOMINION EXPL & PROD INC.FROM:(Old Operator) CNG PRODUCING COMPANYAddress: 1450 POYDRAS STREET  
NEW ORLEANS, LA 70112-6000Address: 1450 POYDRAS STREET  
NEW ORLEANS, LA 70112-6000Phone: 1-(504)-593-7000Phone: 1-(504)-593-7000Account No. N1095Account No. N0605WELL(S): CA Nos. \_\_\_\_\_ or WEST WILLOW CREEK Unit

Name: <u>FEDERAL 1-26B (GIW)</u>	API: <u>43-047-32248</u>	Entity: <u>12029</u>	S <u>26</u>	T <u>09S</u>	R <u>19E</u>	Lease: <u>UTU-68625</u>
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

## OPERATOR CHANGE DOCUMENTATION

- YES 1. A pending operator change file has been set up.
- YES 2. (R649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator on 6-29-00.
- YES 3. (R649-8-10) Sundry or other legal documentation has been received from the **NEW** operator on 6-29-00.
- YES 4. The new company has been looked up in the **Department of Commerce, Division of Corporations Database** if the new operator above is not currently operating any wells in Utah. Is the operator registered with the State? **Yes/No** If yes, the company file number is SEE ATTACHED. If no, Division letter was mailed to the new operator on \_\_\_\_\_.
- YES 5. **Federal and Indian Lease Wells.** The BLM or the BIA has approved the merger, **name change** or operator change for all wells listed above involving Federal or Indian leases on 6-2-00.
- N/A 6. **Federal and Indian Units.** The BLM or the BIA has approved the successor of unit operator for all wells listed above involving unit operations on \_\_\_\_\_.
- N/A 7. **Federal and Indian Communitization Agreements ("CA").** The BLM or the BIA has approved the operator change for all wells listed above involved in the CA on \_\_\_\_\_.

YES 8. **Underground Injection Control ("UIC") Program.** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project and/or for the water disposal well(s) listed above.

YES 9. Changes have been entered in the **Oil and Gas Information System** for each well listed on 7-18-00.

YES 10. Changes have been included on the **Monthly Operator Change letter** on 7-18-00.

---

### STATE BOND VERIFICATION

N/A 1. State Well(s) covered by Bond No. \_\_\_\_\_.

---

### FEE WELLS - BOND VERIFICATION / LEASE INTEREST OWNER NOTIFICATION

N/A 1. (R649-3-1) The **NEW** operator of any fee lease well(s) listed above has furnished a proper bond.

N/A 2. A **copy of this form** has been placed in the **new and former operator's bond files** on \_\_\_\_\_.

N/A 3. The **FORMER** operator has requested a release of liability from their bond as of today's date \_\_\_\_\_? If yes, Division response was made to this request by letter dated \_\_\_\_\_. (see bond file).

N/A 4. (R649-2-10) The **Former** operator of any Fee lease wells listed above has been contacted and informed by letter dated \_\_\_\_\_, of their responsibility to notify all interest owners of this change.

N/A 5. Bond information added to **RBDMS** on \_\_\_\_\_.

N/A 6. Fee wells attached to bond in **RBDMS** on \_\_\_\_\_.

---

### FILMING

\_\_\_\_\_ 1. All attachments to this form have been **microfilmed** on 2.23.01.

---

### FILING

\_\_\_\_\_ 1. **Originals/Copies** of all attachments pertaining to each individual well have been filed in each **well file**.

\_\_\_\_\_ 2. The **original of this form** has been filed in the operator file and a copy in the old operator file.

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### COMMENTS

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STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER Gas Injection

2. NAME OF OPERATOR:  
Dominion Exploration & Production, Inc.

3. ADDRESS OF OPERATOR:  
14000 Quail Springs CITY Oklahoma City STATE OK ZIP 73134

PHONE NUMBER:  
(405) 749-1300

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 880' FNL & 712' FEL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 26 9S 19E

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU-68625

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:  
Federal #1-26B

9. API NUMBER:  
43-047-32248

10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input checked="" type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE	
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Dominion hereby requests an extension to the TA status of this well. Well is currently not being injected into, but Dominion may possibly have a future use for this well.

RECEIVED

MAR 17 2003

THIS SUNDRY IS BEING RETURNED: INSUFFICIENT DATA WAS SUBMITTED TO APPROVE THE REQUESTED ACTION.  
The well is currently nonactive or nonproductive for. In accordance with 2649-3-36, a sundry notice shall be filed indicating the reasons and length of time for the well shut-in or temporary abandonment and a demonstration of the well's integrity, evidence that the well is not a threat to public health or the environment.

Federal Approval of This Action is Necessary

*D. K. Dant*  
Utah Division of Oil, Gas and Mining  
May 2, 2003

NAME (PLEASE PRINT) Carla Christian

TITLE Regulatory Specialist

SIGNATURE

*Carla Christian*

DATE

3/13/2003

(This space for State use only)

COPY SENT TO OPERATOR  
Date: 5-5-03  
Initials: CHD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an**  
**abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☐ Oil Well

☒

Gas Well

☐

Other

2. Name of Operator

Dominion Exploration & Production, Inc.

3a. Address

14000 Quail Springs Pkwy, Ste 600, OKC, OK 73134

3b. Phone No. (include area code)

(405) 749-5237

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

800' FNL & 712' FEL, Sec. 26-9S-19E

5. Lease Serial No.

UTU-68625

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

West Willow Creek

8. Well Name and No.

Federal 1-26B

9. API Well No.

43-047-32248

10. Field and Pool, or Exploratory Area

Green River

11. County or Parish, State

Uintah, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Resume production
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Resumed production October, 2004

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

RECEIVED  
DEC 12 2006  
DIV. OF OIL, GAS & MINING

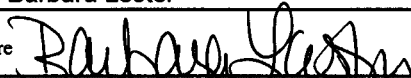
14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Barbara Lester

Title Regulatory Specialist

Signature



Date 12/7/2006

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ
2. CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**7/1/2007**

<b>FROM: (Old Operator):</b> N1095-Dominion Exploration & Production, Inc 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134  Phone: 1 (405) 749-1300	<b>TO: ( New Operator):</b> N2615-XTO Energy Inc 810 Houston St Fort Worth, TX 76102  Phone: 1 (817) 870-2800
--	--

CA No.				Unit:		WEST WILLOW CREEK		
WELL NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 8/6/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 8/6/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 8/6/2007
- a. Is the new operator registered in the State of Utah: \_\_\_\_\_ Business Number: 5655506-0143
- b. If **NO**, the operator was contacted on: \_\_\_\_\_
- a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: n/a
- c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: \_\_\_\_\_
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: \_\_\_\_\_
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: \_\_\_\_\_

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 9/27/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 9/27/2007
- Bond information entered in RBDMS on: 9/27/2007
- Fee/State wells attached to bond in RBDMS on: 9/27/2007
- Injection Projects to new operator in RBDMS on: 9/27/2007
- Receipt of Acceptance of Drilling Procedures for APD/New on: 9/27/2007

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: UTB000138
  - Indian well(s) covered by Bond Number: n/a
  - a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 104312762
  - b. The **FORMER** operator has requested a release of liability from their bond on: 1/23/2008
- The Division sent response by letter on: \_\_\_\_\_

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: \_\_\_\_\_

**COMMENTS:**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: XTO Energy Inc. <i>N2615</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 810 Houston Street CITY Fort Worth STATE TX ZIP 76102		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: SEE ATTACHED		8. WELL NAME and NUMBER: SEE ATTACHED
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER: SEE ATTACHED
PHONE NUMBER: (817) 870-2800		10. FIELD AND POOL, OR WILDCAT: Natural Buttes
COUNTY: Uintah		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective July 1, 2007, XTO Energy Inc. has purchased the wells listed on the attachment from:

Dominion Exploration & Production, Inc.  
14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134

*N1095*

*James D. Abercrombie*  
James D. Abercrombie  
Sr. Vice President, General Manager - Western Business Unit  
*(405) 749-1300*

Please be advised that XTO Energy Inc. is considered to be the operator on the attached list and is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands. Bond coverage is provided by Nationwide BLM Bond #104312750 and Department of Natural Resources Bond #104312762.

NAME (PLEASE PRINT) <u>Edwin S. Ryan, Jr.</u>	TITLE <u>Sr. Vice President - Land Administration</u>
SIGNATURE <i>Edwin S. Ryan, Jr.</i>	DATE <u>7/31/2007</u>

(This space for State use only)

APPROVED *9127107*  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED  
AUG 06 2007  
DIV. OF OIL, GAS & MINING

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

WEST WILLOW CREEK UNIT

api	well_name	qtr_qtr	sec	tpw	rng	lease_num	entity	Lease	well	stat
4304730406	RBU 7-25B	SWNE	25	090S	190E	UTU-39221	12029	Federal	OW	S
4304732223	FEDERAL 11-24B	NESW	24	090S	190E	UTU-68625	12029	Federal	OW	P
4304732248	FEDERAL 1-26B	NENE	26	090S	190E	UTU-68625	12029	Federal	GW	P
4304732417	FEDERAL 3-25B	NENW	25	090S	190E	U-39221	12029	Federal	OW	P
4304732418	FEDERAL 13-24B	SWSW	24	090S	190E	UTU-68625	12029	Federal	OW	P
4304732420	FEDERAL 15-24B	SWSE	24	090S	190E	UTU-68625	12029	Federal	OW	P
4304732447	FEDERAL 5-24B	SWNW	24	090S	190E	UTU-68625	12029	Federal	OW	P
4304732671	FEDERAL 3-24B	NENW	24	090S	190E	UTU-68625	12029	Federal	OW	S





# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



IN REPLY REFER TO  
3180  
UT-922

XTO Energy Inc.  
Attn: Carl Stroud  
810 Houston Street  
Fort Worth, TX 76102-6298

October 6, 2008

Re: West Willow Creek Unit  
Uintah County, Utah

Dear Mr. Stroud:

On October 3, 2008, we received an indenture dated September 25, 2008, whereby Dominion Exploration & Production, Inc. resigned as Unit Operator and XTO Energy Inc. was designated as Successor Unit Operator for the West Willow Creek Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective October 6, 2008. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the West Willow Creek Unit Agreement.

Your Statewide Oil and Gas Bond No. UTB000138 will be used to cover all operations within the West Willow Creek Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Becky J. Hammond

Becky J. Hammond  
Chief, Branch of Fluid Minerals

Enclosure

**RECEIVED**

**OCT 09 2008**

**DIV. OF OIL, GAS & MINING**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: XTO ENERGY INC. Operator Account Number: N 2615  
Address: 382 CR 3100  
city AZTEC  
state NM zip 87410 Phone Number: (505) 333-3100

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304732248	Federal 1-26B			26	9S	19E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
E	12039	12039	—		2/1/09		
Comments: To correct records, formation change from WSTC to <u>GRRV</u> — <u>3/30/09</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Eden Fine

Name (Please Print)

Signature

REGULATORY CLERK

Title

3/30/2009

Date

RECEIVED

MAR 30 2009

DIV. OF OIL, GAS & MINING

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-68625
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC		<b>7. UNIT or CA AGREEMENT NAME:</b> WEST WILLOW CREEK
<b>3. ADDRESS OF OPERATOR:</b> PO Box 6501, Englewood, CO, 80155		<b>8. WELL NAME and NUMBER:</b> FEDERAL 1-26B
<b>PHONE NUMBER:</b> 303 397-3727 Ext		<b>9. API NUMBER:</b> 43047322480000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0880 FNL 0712 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 26 Township: 09.0S Range: 19.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> WEST WILLOW CREEK
		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>9/29/2014</b>	<input type="checkbox"/> ALTER CASING
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS
	<input type="checkbox"/> CHANGE WELL STATUS
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS
	<input type="checkbox"/> DEEPEN
	<input type="checkbox"/> FRACTURE TREAT
	<input type="checkbox"/> OPERATOR CHANGE
	<input type="checkbox"/> PLUG AND ABANDON
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME
	<input type="checkbox"/> RECLAMATION OF WELL SITE
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> WATER SHUTOFF
	<input type="checkbox"/> SI TA STATUS EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION
	<input type="checkbox"/> OTHER
	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO Energy Inc. has returned this well to production @ 600 hours on  
 Monday, 09/29/2014.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 October 02, 2014

<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 303-397-3736	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/2/2014	

Effective Date:

1/1/2016

<b>FORMER OPERATOR:</b>	<b>NEW OPERATOR:</b>
XTO ENERGY INC PO BOX 6501 ENGLEWOOD CO 80155	FINLEY RESOURCES INC PO BOX 2200 FORT WORTH TX 76113
<b>CA Number(s):</b>	<b>Unit(s):</b> West Williw Creek

**WELL INFORMATION:**

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
FEDERAL 11-24B	24	090S	190E	4304732223	12029	Federal	Federal	OW	PA
FEDERAL 13-26B	26	090S	190E	4304732237	11370	Federal	Federal	GW	PA
FEDERAL 1-26B	26	090S	190E	4304732248	12029	Federal	Federal	GW	P
FEDERAL 3-25B	25	090S	190E	4304732417	12029	Federal	Federal	OW	P
FEDERAL 13-24B	24	090S	190E	4304732418	12029	Federal	Federal	OW	P
FEDERAL 15-24B	24	090S	190E	4304732420	12029	Federal	Federal	OW	PA
FEDERAL 5-24B	24	090S	190E	4304732447	12029	Federal	Federal	OW	P
FEDERAL 3-24B	24	090S	190E	4304732671	12029	Federal	Federal	OW	S

**OPERATOR CHANGES DOCUMENTATION:**

1. Sundry or legal documentation was received from the **FORMER** operator on: 1/12/2016
2. Sundry or legal documentation was received from the **NEW** operator on: 1/12/2016
3. New operator Division of Corporations Business Number: 7409151-0143

**REVIEW:**

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A
2. Receipt of Acceptance of Drilling Procedures for APD on: N/A
3. Reports current for Production/Disposition & Sundries: 1/13/2016
4. OPS/SI/TA well(s) reviewed for full cost bonding: N/A
5. UIC5 on all disposal/injection/storage well(s) approved on: N/A
6. Surface Facility(s) included in operator change: N/A
7. Inspections of PA state/fee well sites complete on (only upon operators request): N/A

**NEW OPERATOR BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UTB000305
2. Indian well(s) covered by Bond Number: N/A
3. State/fee well(s) covered by Bond Number(s): N/A

**DATA ENTRY:**

1. Well(s) update in the **OGIS** on: 1/27/2016
2. Entity Number(s) updated in **OGIS** on: 1/27/2016
3. Unit(s) operator number update in **OGIS** on: 1/27/2016
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: N/A
6. Surface Facilities update in **RBDMS** on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: XTO Energy Inc. N2615		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: PO Box 6501 CITY Englewood STATE CO ZIP 80155		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (303) 397-3727		8. WELL NAME and NUMBER: SEE ATTACHED
4. LOCATION OF WELL FOOTAGES AT SURFACE: SEE ATTACHED		9. API NUMBER:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT:

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 1/1/2016	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Change of Operator</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective January 1, 2016 Finley Resources Inc. will be taking over as operator of the attached wells from XTO Energy.

Finley Resources Inc. (Operator No. N3460)

PO Box 2200

Fort Worth, TX 76113

(817) 336-1924

Signature

Finley Resources Inc.

Date

RECEIVED

JAN 12 2016

DIV. OF OIL, GAS & MINING

Finley Resources Inc. is considered to be the operator on the attached list and is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands. Bond coverage is provided by Nationwide BLM Bond No. UTB000305 and Department of Natural Resources Bond No. RLB0011264.

NAME (PLEASE PRINT) Kelly Kardos

TITLE Permitting Supervisor

SIGNATURE

DATE

12/22/2015

(This space for State use only)

**APPROVED**

JAN 27 2016

DIV. OIL GAS & MINING

BY: Rachael Medina

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-68625			
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> FINLEY RESOURCES INC		<b>7. UNIT or CA AGREEMENT NAME:</b> WEST WILLOW CREEK			
<b>3. ADDRESS OF OPERATOR:</b> PO Box 2200 , Fort Worth, TX, 76113		<b>8. WELL NAME and NUMBER:</b> FEDERAL 1-26B			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0880 FNL 0712 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 26 Township: 09.0S Range: 19.0E Meridian: S		<b>9. API NUMBER:</b> 43047322480000			
<b>PHONE NUMBER:</b> 817 231-8735 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WEST WILLOW CREEK			
<b>COUNTY:</b> Uintah		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>  <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 4/18/2016  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<b>TYPE OF ACTION</b>  <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION          OTHER: <input style="width: 100px;" type="text" value="Squeeze Perfs"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="Squeeze Perfs"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="Squeeze Perfs"/>			
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> Finley Resources proposes to squeeze off perforations: 4628' - 4674' (1 spf) w/ 50 sx of cement through a cement retainer. Before squeeze is performed, casing will be tested to 1500#, and packer will be removed. Cement and BP at 4800' will then be drilled out and existing perforations: 4870' - 4900' will be put on production. Existing tubing will be used for production and well will be produced via rod pump as an oil well. Anticipated start date: 4/18/2016. Total operations duration of approximately: 5 days.					
<b>NAME (PLEASE PRINT)</b> James Terry		<b>PHONE NUMBER</b> 435 299-9129			
<b>SIGNATURE</b> N/A		<b>TITLE</b> Field Operations Engineer			
<b>DATE</b> 4/15/2016		<b>Accepted by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> April 18, 2016 <b>By:</b>			

Completion Procedure

Fed 1-26B  
 Sec. 26 9S 19E(Willow Bend)  
 Uintah County, Utah  
 API #- 43047322248

Date: April 15, 2016

AFE No.:

AFE Cost: \$120,450 Est. Cost to date (4-15-16): \$0

Purpose: Sqz perfs 4628-74'(1 spf)). Drill out BP at 4800' to expose existing Castle Peak completion 4870-4900' and place on production.

Elevation: 4666' GL 4681' KB TD: 6626' PBTD: 6520'.  
 Existing Perfs – 4870'-4900'(1 SPF), **4628'-4674'(1 SPF)**

	OD, IN	ID, IN	WT., #/FT	GRADE	DEPTH, FT.	CMT, SKS.	EST. TOC, FT	CAP., BBL/FT	BURST, PSI	COLLAPSE, PSI
Surface	8 5/8	8.097	24	J-55, STC	397'	285	surface	.0637	1340	950
Production	4 1/2	4.00	11.6	N-80, LTC	6626'	1900	1870'	0.0155	7780	7010
Tubing (to be ran)	2 3/8	1.995	4.70	J-55	4580'			0.0038	9980	9840

Safety Considerations:Procedure:

1. MIRU CU. ND WH, NU BOP, test same. Release Baker Retrieval DA pkr, POOH w/ pkr and 2 3/8" tbq.
2. RU EL, make gage ring run to BP at 4800'(tag). RIH and set cmt retainer at +/- 4550'. RD EL.
3. PU cmt retainer stinger and TIH w/tbg. Sting into retainer, establish injection rate. Pressure test backside to 1500#.
4. Sting out of retainer and establish circulation. C&C hole.

5. MIRU cementers. Squeeze w/50sx cmt. Try to attain maximum sqz pressure. If unable to get sqz, pump cmt away and resqueeze with another 50 sx(or higher cmt volume).
6. After sqz is attained, sting out of retainer, reverse out 2 tbg volumes, POOH w/ stinger and tbg. WOC 24 hrs.
7. PU cmt mill, and 2 3/8" tbg, TIH to retainer, C&C fluid, drill out retainer and cmt to BP, C&C fluid. POOH w/mill.
8. PU retrievable pkr, TIH to +/- 4550', set pkr, test sqz to 500#. Swab for negative test. POOH w/pkr.
9. PU mill, TIH and drill out BP, TIH to TD. POOH w/mill.
10. PU 2 3/8" production setting and TIH to +/- 5000'. Run pump and rods.
11. Return well to production.

4/15/16.



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-68625
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> FINLEY RESOURCES INC		<b>7. UNIT or CA AGREEMENT NAME:</b> WEST WILLOW CREEK
<b>3. ADDRESS OF OPERATOR:</b> PO Box 2200 , Fort Worth, TX, 76113		<b>8. WELL NAME and NUMBER:</b> FEDERAL 1-26B
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0880 FNL 0712 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 26 Township: 09.0S Range: 19.0E Meridian: S		<b>9. API NUMBER:</b> 43047322480000
<b>9. FIELD and POOL or WILDCAT:</b> WEST WILLOW CREEK		<b>COUNTY:</b> UINTAH
<b>STATE:</b> UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/28/2016	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
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	<input type="checkbox"/> PLUG BACK	
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	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
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	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="Squeeze Perfs"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Squeezed off perforations: 4628' - 4674' with 25 sx of cement. Retrieved BP at 4800' and now producing from perforations: 4870-4900'. Attached is a detailed summary of operations. Well was put back on production on 5/6/2016.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> May 27, 2016		
<b>NAME (PLEASE PRINT)</b> James Terry	<b>PHONE NUMBER</b> 435 299-9129	<b>TITLE</b> Field Operations Engineer
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/26/2016	

Federal 01-26B 4/19/2016 Held safety meeting and ND wellhead, NU BOPs. Pump 35 bbl down tbg and on hard vacuum. Pump 55 bbl down csg and fill hole, PT csg to 1500#- Good, blew out rings on tbg hanger. Release On/off tool on Packer and POOH w/ 145 jts of tbg, tally tbg on TOOH (crimped 1 jt, all other tbg looked good). Get information on DA packer and has downhole shut off seal assembly and special retrieving tool for packer. TIH w/ on/off tool w/ seal assembly removed and 145 jts of tbg and 2-4' tbg subs. J up onto downhole shut off and release from packer. LD tbg subs and POOH w/ 145 jts of tbg, on/off tool, and downhole shut off assembly (packer still in hole). Packer requires Baker Hughes retrieving tool that is in West Virginia. SD for rest of day and Tuesday, tool should be ready for Wednesday morning to retrieve packer. SWIFN. MI rig pump and tank.

Federal 01-26B 4/21/2016 Held safety meeting and TIH w/ Baker Hughes retrieving tool for Retrieva DA packer, and 73 stands of tbg. Release packer and POOH w/ 73 stands, packer retrieving tool, and Packer (Packer was missing one seal element. RU The Perforators WL and RIH w/ 3.75" gauge ring and tag 4641' (correlated w/ original logs to verify tag). At 4461', 33' of perfs are covered. POOH and RD The Perforator WL. RIH w/ NC, and 147 jts of tbg, and tag up at 4641'. Drill on fill and seems soft. POOH w/ tbg and LD NC. PU Bulldog bailer (Slaugh), and RIH w/ bailer (12 jt cavity), and tag a total of 147 jts in (10' in on jt #147). Bail rest of jt #147 and all of jt #148 in the hole. Cleaned out fill to 4694' (20' perfs now uncovered). POOH w/ tbg, clean out 6 jts full of frac sand, and LD bailer. SWIFN.

Federal 01-26B 4/22/2016 Held safety meeting and MIRU The Perforators WL. RIH w/ 3.75" gauge ring and tag fill at 4709'. POOH w/ gauge ring and RD WL. RIH w/ 6' pup jt, HD packer, PSN, and 133 jts- ran standing valve in place. PT tbg to 2500#- Good test, 16 bbl to fill. RU sandline and Obannon fishing tool and RIH to retrieve standing valve- no luck. After 2 more runs, change to tri-co fishing tool and still unsuccessful. POOH w/ 133 jts, and LD standing valve- had 1/4 jt full of sand/wax that was keeping fishing tool from getting down all the way. RIH w/ 148 jts- trickle down csg while TIH- 55 bbl total. Did not tag any fill. POOH w/ 15 jts and Set Packer at 4197' and EOT at 4209'. PT packer on csg to 1500#- Good test, 32 bbl to fill. MIRU Pro-petro. PT lines to 3000#. Start pumping squeeze. Pump 25 sx of thixotropic cement (14.2#/gal and 1.6 yield=7.1 bbl of cement). Displace cement 18.5 bbl and pressure up to 2700#. Release packer and reverse out w/ 30 bbl (no cement returns). 7.7 sx of cement in formation, 276' of cement of above top perf based on volumes pumped. POOH w/ 10 jts and reset packer. Pressure up tbg to 2100# and SWIFN.

Federal 01-26B 4/23/2016 Held safety meeting and check well pressures: 1000#- tbg, 0# csg. Bled off fluid on tbg, release packer, and TIH w/ 17 jts and tag cmt top at 4415'. POOH w/ 148 jts and LD packer and 6' tbg sub. PU and MU 3 3/4" rock bit and 2 3/8" bit sub. RIH w/ bit, bit sub, and 148 jts and tag cmt top again. RU power swivel and catch reverse circulation after 1 bbl. Drill up first 8' of cement quickly and then became harder. Drill down to 4598' drilling at same rate and returns are pebble sized chunks of gray cement that are still soft when pressed, drilled at a constant rate of 30'/10 minutes. Stop drilling at 4598' and wait till returns clean up. POOH w/ EOT at 4295'(136 jts in hole). Circulate 20 bbls- returns all clean. Close csg and pipe rams and pressure up tbg to 1400# w/ TIW valve. SWI for weekend.

Federal 01-26B 4/26/2016 Held safety meeting and check well pressures- 0# tbg/0# csg. Pressure up tbg to 1500# and found small leak between BOP and wellhead (ring), bleed off fluid. TIH w/ tbg to

4598' and RU power swivel. Drill out rest of cmt to 4686' w/ drilling rate of 1'/1 min. Returns are small angular cuttings. Circulate until returns clean up. Change out ring between BOPs and wellhead and pressure up tbg to 500# and monitor for 30 minutes- Good test, no pressure variance. Bleed off fluid and wash down to ret. head on RBP tag at 4797', returns of frac sand. Circulate till sand cleans up and POOH w/ 76 stands of tbg and LD bit sub, and bit- bit looked in good shape. PU Baker WSRBP retrieving tool and TIH w/ 76 stands and 8' tbg sub and try to latch on, circulating while trying to latch on and no cuttings or sand in returns. Tool not latching up (no pullover at all). POOH w/ 76 stands and retrieving tool and found 3 indents that appears to be 3 lugs on RBP (wrong style of retrieving tool).

Federal 01-26B 4/27/2016 Held safety meeting and bleed off 50# of gas. PU Weatherford three lug retrieving head and RIH w/ 76 stands. Latch onto and release RBP at 4800'. Well started flowing up tbg at 300# with 400# kicks (oil/gas). Monitor for 45 minutes and call for brine, still flowing at 200#. Try and kill well by circulating hole w/ 70 bbl of production water, still flowing 150# up csg, tbg dead. RIH w/ 10 jts to 5115' and did not tag anything. Try to kill well with production water but no luck (60 bbl pumped), wait for brine. Pump 50 bbl of brine and csg/tbg dead. LD 3 jts on trailer and POOH w/ 159 jts and LD RBP (all elements still there). TIH w/ production tbg. (On TIH, well came in with 90 jts left to run). Pump 30 bbl brine kill and finish TIH. Set TAC w/ 12 K tension, ND BOPs, RD floor, take off unnecessary parts on old wellhead flange (ie. gate valve and small flange). Well flowing, pump 10 bbl of brine to kill and NU wellhead. SWIFN. Will run rods tomorrow. KB: 15', Tbg hanger: 0.8', stretch: 1.41', 145 jts (4566.19'), TAC (2.8'), 12 jts (378.89'), PSN (1.1'), 2 jts (63.00'), NC (0.5'). TAC at 4586.2', PSN at 4966.19', EOT at 5029.69'- All depths KB.

Federal 01-26B 4/28/2016 Held safety meeting and bled off gas from well- 50# tbg/280# csg. Prep rods and PU and prime new 2" x 1 1/2" x 16' RWAC pump (Accelerated). RIH w/ pump, 6- 1 1/4" weight bars w/ 7 stabilizer subs, 190- 3/4" slick rods, 2' x 3/4" pony sub, and 26' x 1 1/2" polish rod w/ rod rotator. Seat pump and fill and stroke test tbg to 1000#- Good test, 10 bbl to fill. Hang well off and wait for production equipment. RD Peak WS. Well was flowing up csg at 120# while running rods. Total oil recovered estimated at 200 bbl, will heat and transfer after tanks are set.

Federal 01-26B 5/3/2016 For 5/2/2016, build tank and pumping unit pads. Crane crew set tanks and pumping unit.

Federal 01-26B 5/4/2016 For 5/3/2015, Set treater, tear out old flow lines and start building new flowlines.

Federal 01-26B 5/5/2016 For 5/4/2016, run flowlines from wellhead back towards tank, plumb in treater.

Federal 01-26B 5/6/2016 For 5/5/2016, continue running flowlines and tracelines to tanks, tie in vent lines and sales gas lines.

Federal 01-26B 5/7/2016 For 5/6/16, finish running flowlines, fill and test trace system, tie in meter loop, start building berms around location.

Federal 01-26B 5/10/2016 for 5/9/2016, install treater building, clean up location, start insulating flow lines.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
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<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> FINLEY RESOURCES INC		<b>7. UNIT or CA AGREEMENT NAME:</b> WEST WILLOW CREEK			
<b>3. ADDRESS OF OPERATOR:</b> PO Box 2200 , Fort Worth, TX, 76113		<b>8. WELL NAME and NUMBER:</b> FEDERAL 1-26B			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0880 FNL 0712 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 26 Township: 09.0S Range: 19.0E Meridian: S		<b>9. API NUMBER:</b> 43047322480000			
<b>PHONE NUMBER:</b> 817 231-8735 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WEST WILLOW CREEK			
<b>COUNTY:</b> Uintah		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>  <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 9/30/2016  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<b>TYPE OF ACTION</b>  <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input checked="" type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION          OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> Finley Resources plans on adding new perfs and fracture treating new and existing perfs as follows: 4870'-4900' at 3 spf (90 holes) w/ 120,000# 40/70 sand and 22,000# of 20/40 sand; 4758-60', 4776-78', 4795-97', 4812-14', and 4844-46' at 3 spf (30 holes) w/ 80,000# 40/70 sand and 14,500# 20/40 sand. After fracturing is complete, well will be flowed back and put put back on production. Note: Casing patch will have to be run over squeezed perfs: 4628'-4674' in order to fracture treat down casing.					
<b>Approved by the</b> <b>October 03, 2016</b> <b>Oil, Gas and Mining</b>  <b>Date:</b> _____ <b>By:</b> <u>Derek Quist</u>					
<b>NAME (PLEASE PRINT)</b> James Terry	<b>PHONE NUMBER</b> 435 299-9129	<b>TITLE</b> Field Operations Engineer			
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/29/2016				

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-68625
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> FINLEY RESOURCES INC		<b>7. UNIT or CA AGREEMENT NAME:</b> WEST WILLOW CREEK
<b>3. ADDRESS OF OPERATOR:</b> PO Box 2200 , Fort Worth, TX, 76113		<b>8. WELL NAME and NUMBER:</b> FEDERAL 1-26B
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0880 FNL 0712 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 26 Township: 09.0S Range: 19.0E Meridian: S		<b>9. API NUMBER:</b> 43047322480000
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<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/8/2016	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
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	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
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	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  Finley Resources ran a casing patch from 4621' to 4681' in order to cover the squeezed interval 4628' to 4674' and frac down casing. Fracture treated previously perforated interval: 4870'-4900' down 4 1/2" csg w/ 120M# 40/70 sand, 22M# 20/40 sand and total load of 4300 bbl. Attempted to set plug in order to frac upper zone but could not get plug through csg patch. Did not fracture treat or shoot new perms on proposed interval of 4758'- 4846'.		
<b>NAME (PLEASE PRINT)</b> James Terry		<b>PHONE NUMBER</b> 435 299-9129
<b>SIGNATURE</b> N/A		<b>TITLE</b> Field Operations Engineer
<b>DATE</b> 11/7/2016		<div style="text-align: center;"> <b>Accepted by the</b>  <b>Utah Division of</b>  <b>Oil, Gas and Mining</b>  <b>FOR RECORD ONLY</b>          November 28, 2016       </div>

Federal 01-26B	8/9/2016	On PM of 8/8/16 MIRU Peak Well Service to start recompletion of well to run a casing patch to prepare well for additional zones. RD horses head and unseat pump and laydown 2 rods and rerun polish rod and SIFN. On 8/9/16 will hot oil well to flush rods and tbg.and POOH with tubulars and set 2 composite BP's.	
Federal 01-26B	8/10/2016	On 8/9/16 SITP and SICP=0#. Safety meeting. RU hot oiler. Flush rods and tbg.and csg.with a total of 120 bbl.of hot production water. Seat pump and test tbg.to 1000# and held OK. LD 70 3/4" rods and stand back remainder of rods and weight bars. NDWH. Release hanger and TAC. NUBOP's. POOH and stand back 2-3/8" production tbg..RU The Perforators WL. Set a 4-1/2" composite BP at 5000' and set another composite BP at 4770'. RD WL. These plugs will cover existing perms.4870'-4900'. SIFN. On 8/10/16 will PU 2-3/8" N-80 rental string and mill and watermelon mill and RIH to clean out well to prep.for running gauge ring tools and casing patch. If all goes OK will run casing patch on this Thursday.	
Federal 01-26B	8/11/2016	On 8/10/16 safety mtg..SICP=0#. RIH with 3-15/16" taper mill and string mill and csg.scrapers while picking up 2-3/8" N-80 rental tbg..Tag at 690' and swivel up and clean up spot. Cont.in the hole and drill out an additional 8 tight spots which appears to be swelled collars. RIH to 4770' and circ.hole clean. POOH. RIH with 3 jts.of wash pipe and 3-15/16" shoe to 4711'. No tags. Circ.hole clean with 100 bbl.of hot production water. Pull 3 stands of tbg.and SIFN. On 8/11/16 will finish POOH with wash pipe and mill and RIH with csg.patch.	
Federal 01-26B	8/12/2016	On 8/11/16 SITP and SICP=0#. POOH with wash pipe and mill. Make up setting tools and 4-1/2"OD HOMCO casing patch x 60' and RIH with patch on 2-3/8" N-80 tbg.and MIRU The Perforators WL to run a GR correlation log. Position the patch and RDMO WL. Set the patch with bottom at 4681' and top at 4621' to cover squeezed perforated interval 4628-74' with max.pull of 20m# over string weight. Set it at 3:00PM on 8/11/16. POOH and lay down setting tools. SIFW. Will test patch on 8/15/16.	
Federal 01-26B	8/16/2016	On 8/15/16 pressure test casing and patch to 30003--Held solid. RIH with 3-1/2" mill and 2-7/8" mud motor and tbg.and tag composite BP at 4770' and drill out plug and push to composite BP at 5000'. Did not drill up plug at 5000'. Circ.hole clean. POOH and lay down 2-3/8" rental string and mud motor and mill. RIH with production tbg.with a NCI 1 jt.; SN; 12 jts.of tbg.; TAC and 144 jts.of tbg.and SIFN. On 8/16/16 will flush tbg.after setting anchor and ND BOP's and run rods and pump and turn well over to production department. Tbg.tail at 4966'; SN at 4934'; TAC @ 4555'.	\$11075



Existing perfs.@ 4870-4900'; Patch at 4621-4681'; Composite BP at 5000'.

Federal 01-26B 8/17/2016	On 8/16/16 safety mtg..SICP and SITP=0#. ND BOP's and set TAC at 4555' with 12M# tension. Tbg.tail at 4966' and SN at 4934' with composite BP at 5000'. NU 5K tbg.head. Prime new pump and RIH with 2"x1-1/2"x16-3-16' 125" max.stroke RWAC and 157 3/4" slick rods and 1-2"x3/4" pony rod. Seat pump and fill tbg.and long stroke to 800#. Held OK. Hang off well and RDMO Peak WS. Turn well over to production department. RDUFA.
Federal 01-26B 9/28/2016	On 9/27/16 MIRU Martinez Well Service to resume recompletion of well. RU hot oiler. Flush csg.with 30 bbl.of hot prod.water. Unseat pump and flush tbg.with 50 bbl.of hot water. POOH with rods and pump and lay down on trailer. Release TAC and NU BOP's. POOH and start to lay down tbg..Had to pump an additional 60 bbl.of hot water to clean up rods and tbg..SIFN. On 9/28/16 will finish laying down tbg.and ND BOP's and NU frac valve.
Federal 01-26B 9/29/2016	On 9/28/16 SICP and SITP=0#. Flush tbg.with 40 bbl.of hot prod.water. Finish POOH with tbg.and TAC and laying down on trailer. ND BOP's and NU frac head. RDMO Martinez Well Service. Anchor had been sheared and missing a slip which will be on top of comp.BP at 5000' for drill out. All frac tanks have been filled with fresh water. Will start frac work after fracing the 3-24B.
Federal 01-26B 10/3/2016	Fed.1-26B recompletion for 10/2/16 for work performed on 10/1/16: On AM of 10/1/16 MIRU TOPS frac crew. Frac tree had been installed and tested prior to MI. SICP=150#. Zone #1: Frac previously perforated interval 4870-4900' down 4-1/2" csg.using a Binary slick water 14# x-link gel water system as follows: Breakdown perfs.at 1413#. Pump 1500 gal.of 15% HCL acid followed by a 100 bbl.slick water pad and stage 0.25-0.50 ppg 40/70 sand in 2800 bbl.of slick water for 43000# of 40/70 sand and then stage to 14# x-link and pump and additional 77000# of 40/70 sand at 2-4 ppg and stage 2-4 ppg 20/40 sand in 180 bbl.of 14# link system and flush with 500 gal.of 15% acid and 69 bbl.of slick water. Total load of 4300 bbl. Max.psi=3229#; Ave=2938#; Max.rate=39; Ave=36.8 BPM. ISIP=2230# (.89). Due to low rate of 33-35 BPM did not increase 40/70 sand concentration and due to limited gel on location went to the 40/70 and 20/40 ramp as required to work with chemicals on hand. Zone #2: Lubricate in a 3.35" OD frac plug and 2-3/4" perforating gun. Stack out at top of patch at 4621'. Could not work thru. Solid. Pump additional 15 bbl.of water and still stacking out at 4621'. POOH with plug and gun and SIFN. 10/3/16 report: SICP=1000#. RIH with 2-3/4" sinker bar and collar locator. Stack out at 4621'. Try to work thru but would not go. RIH with 3.50" magnet on



--- wireline and stack out at 4621' and would not go below 4621'. Surge back the well several times. RIH with 2-3/4" sinker bar and CCL and went thru patch to 4700'. POOH. RIH with 3.35" OD plug and gun. Could not get past 4621'. Stacking out on top of patch. POOH and lay down plug and gun. RIH with 2-3/4" sinker bar and tag fill at 4936'. POOH. Spot 650# of 20/40 sand to cover casing from 4936' to 4860'. RIH with sinker bar and tag fill at 4931' after 1 hour. While running in the hole no indication of heavy fluid. Wait 1/2 hour and retag at 4931'. POOH with sinker bars. Decision made to abort operation and return well to production testing interval 4870-4900'. Open the well to flow back tank. Total load to recover is 4500 bbl.. Open the well at 9:00PM on a 18/64" choke with a SICP=960#. Flow the well for 3 hours and recovered a total of 150 bbl.with a final flow rate of 30 bbl.per hour and a final SICP=0# and a slight show of oil with no gas with a final choke size of 40/64" choke and a total recovery of 150 bbl.with a LLR=4350 bbl. SI the well at midnight.

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Federal 10/5/2016 On 10/4/2016, SICP- 260#, opened up well and flowed back from 7:00am - 01-26B 6:30 pm. Recovered 52 bbl of water off well. SWIFN.

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Federal 10/6/2016 On 10/05/2016. Opened up well at 7am with a trickle of pressure- 0#. 01-26B Flowed back for 11 hours and recovered 27 bbl of water. SWI at 6pm. Rig will move in on well in the morning.

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Federal 10/7/2016 Held safety meeting and bleed off well- 130# csg. Bleed off gas and water. 01-26B ND frac tree and NU BOPs. Change out pipe rams to 2 3/8". PU and MU BHA and RIH w/ production tbg off trailer. Some oil flowing up csg and tbg while TIH. Tag fill at 4920' w/ production tbg and need to clean out to land tbg. RU wash stand and pump 30 bbl down csg w/ no returns and 600#. Pump 6 bbl down tbg and pressure up to 2000#- Tbg plugged. RU HO and pump 50 bbl down csg and plug broke free, good returns of oil/gas. Continue pumping down csg cold and wash down 80' and clean out frac sand to composite BP at 5000'. Circulate hole clean. Tbg flowing gas/oil still- pump 20 bbl down tbg for a kill. LD wash stand and extra jt and set TAC w/ 12K tension. ND BOPs, NU WH, X/O for tbg.

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Federal 10/8/2016 Held safety meeting and 140# tbg, 10# csg, bleed off tbg gas. Flush tbg w/ 01-26B 35 bbl and prime new 2" x 1 1/2" x 16' RWAC pump (Accelerated). RIH w/ pump, 6- 1 1/4" weight bars w/ 7 stab subs, 187- 3/4" slick rods, 2' and 6' pony subs, and 26' polish rod off trailer. Space out, and seat pump. Fill and stroke test pump to 800#, 2 bbl to fill and pumps up slow and pressure bleeding off. Unseat pump and flush tbg w/ 40 bbl and reseat pump. Pressure up tbg to 1000# and bleeding off to 100#. Can hear bleeding off in

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wellhead from tbg to csg. LD polish rod and unscrew from top rod. X/O for tbg, ND WH and found that tbg hanger was leaking. Pressure up tbg below hanger to 2000# and good test. Wait on new seal for tbg hanger from Cameron. Change out seal and NU WH. X/O for rods and screw back into rod string and re-torque. PU polish rod and stroke test pump to 800#- good pump action now. RU pumping unit and RD Martinez WS and move to Ute 13-7A.

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STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8  
(highlight changes)

<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>						5. LEASE DESIGNATION AND SERIAL NUMBER:			
						6. IF INDIAN, ALLOTTEE OR TRIBE NAME			
1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____						7. UNIT or CA AGREEMENT NAME			
b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____						8. WELL NAME and NUMBER:			
2. NAME OF OPERATOR:						9. API NUMBER:			
3. ADDRESS OF OPERATOR: CITY _____ STATE _____ ZIP _____					PHONE NUMBER:	10 FIELD AND POOL, OR WILDCAT			
4. LOCATION OF WELL (FOOTAGES) AT SURFACE:  AT TOP PRODUCING INTERVAL REPORTED BELOW:  AT TOTAL DEPTH:						11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:			
						12. COUNTY		13. STATE	
								UTAH	
14. DATE SPUDDED:		15. DATE T.D. REACHED:		16. DATE COMPLETED: ABANDONED <input type="checkbox"/> READY TO PRODUCE <input type="checkbox"/>		17. ELEVATIONS (DF, RKB, RT, GL):			
18. TOTAL DEPTH: MD _____ TVD _____		19. PLUG BACK T.D.: MD _____ TVD _____		20. IF MULTIPLE COMPLETIONS, HOW MANY? *		21. DEPTH BRIDGE MD _____ PLUG SET: TVD _____			
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)					23. WAS WELL CORED? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit copy)				
24. CASING AND LINER RECORD (Report all strings set in well)									
HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
25. TUBING RECORD									
SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	
26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.									
DEPTH INTERVAL		AMOUNT AND TYPE OF MATERIAL							
29. ENCLOSED ATTACHMENTS:								30. WELL STATUS:	
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS				<input type="checkbox"/> GEOLOGIC REPORT		<input type="checkbox"/> DST REPORT		<input type="checkbox"/> DIRECTIONAL SURVEY	
<input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION				<input type="checkbox"/> CORE ANALYSIS		<input type="checkbox"/> OTHER: _____			

**31. INITIAL PRODUCTION****INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL B (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL C (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL D (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)****33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

**34. FORMATION (Log) MARKERS:**

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

**35. ADDITIONAL REMARKS (Include plugging procedure)**

**36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.**

NAME (PLEASE PRINT) \_\_\_\_\_ TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

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